

AD-A116 089

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
NIAGARA FALLS, NEW YORK. REVISED UNIFORM SUMMARY OF SURFACE WFA--ETC (1)

APR 82

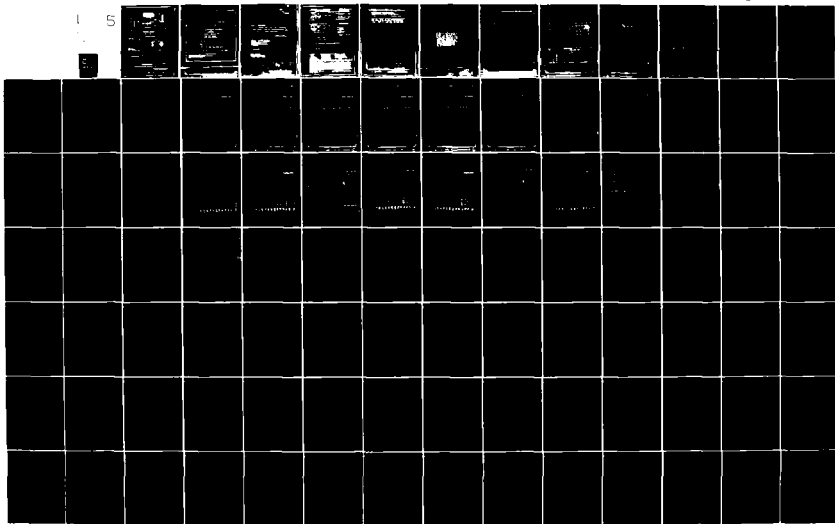
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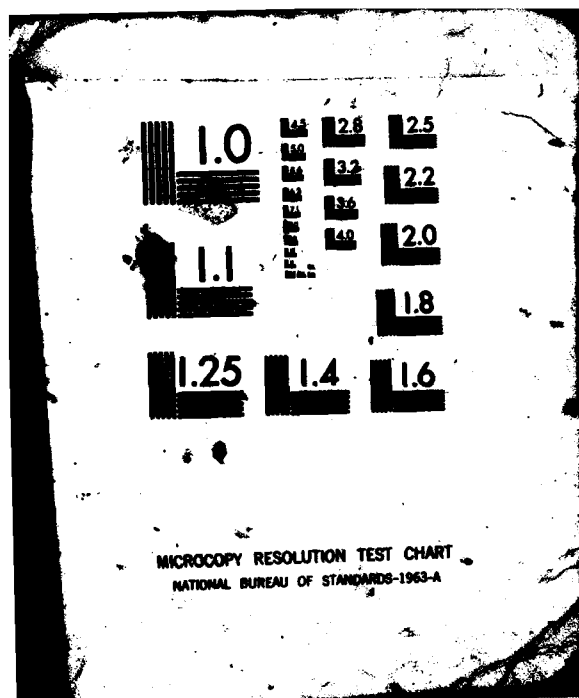
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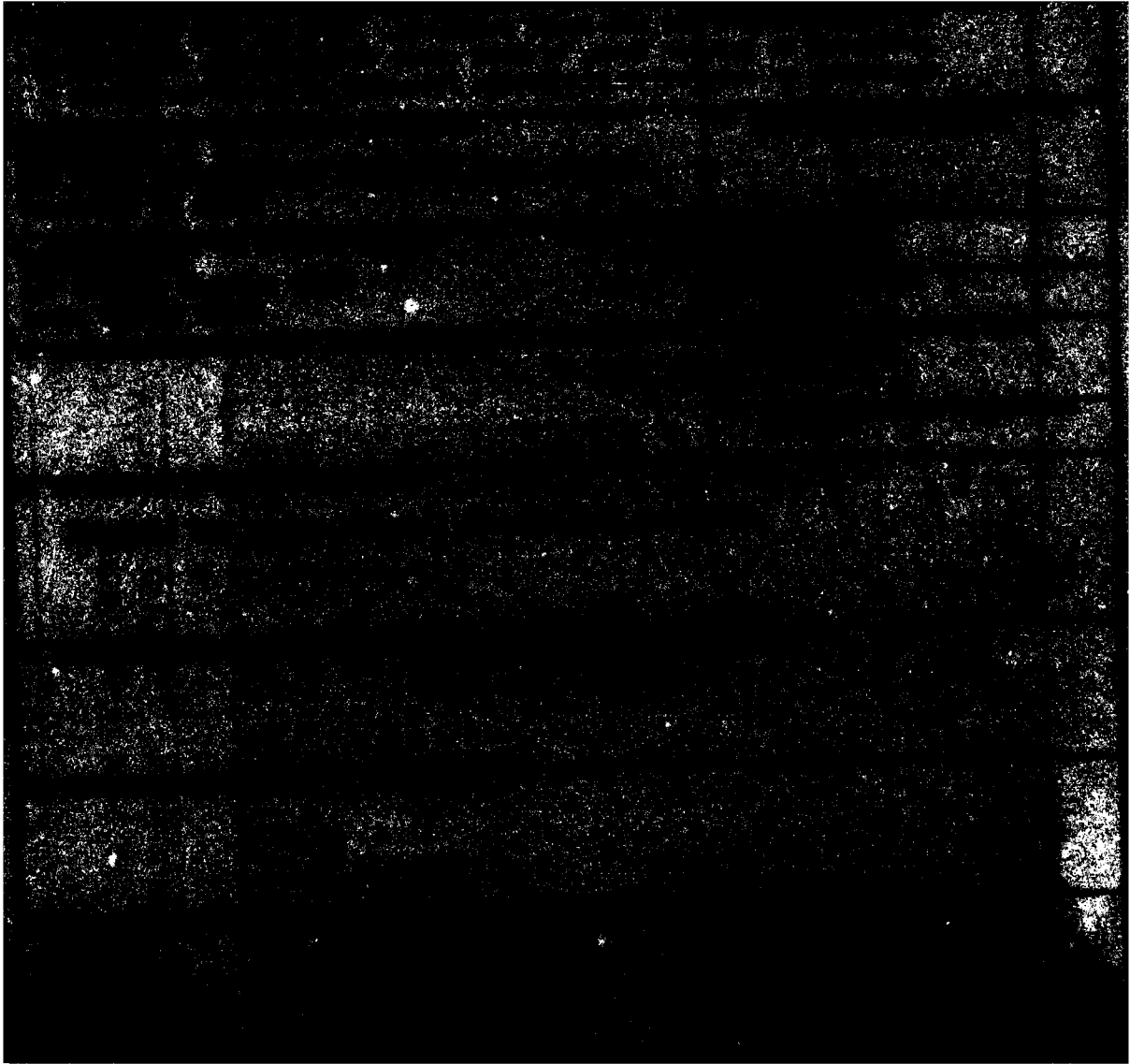
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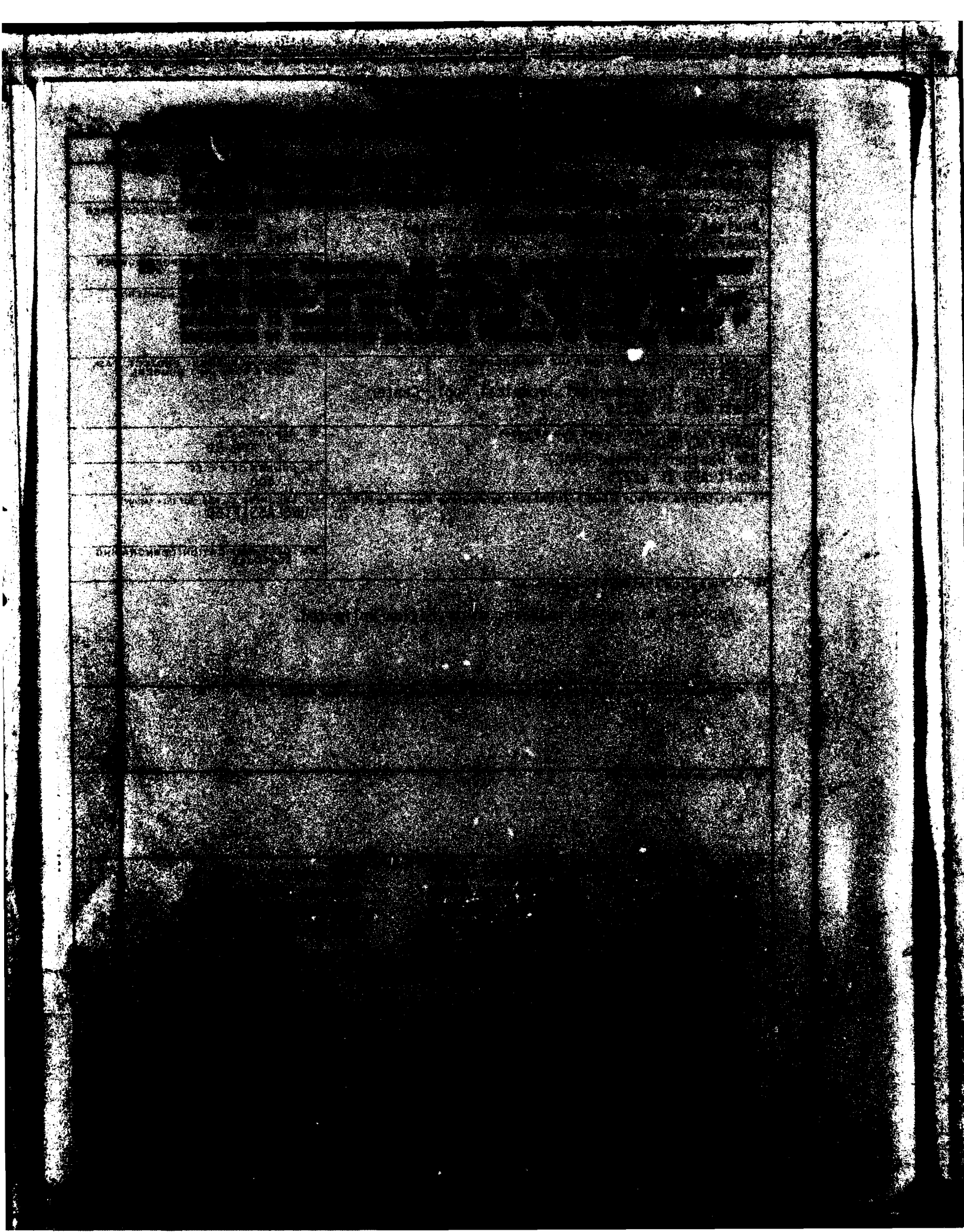


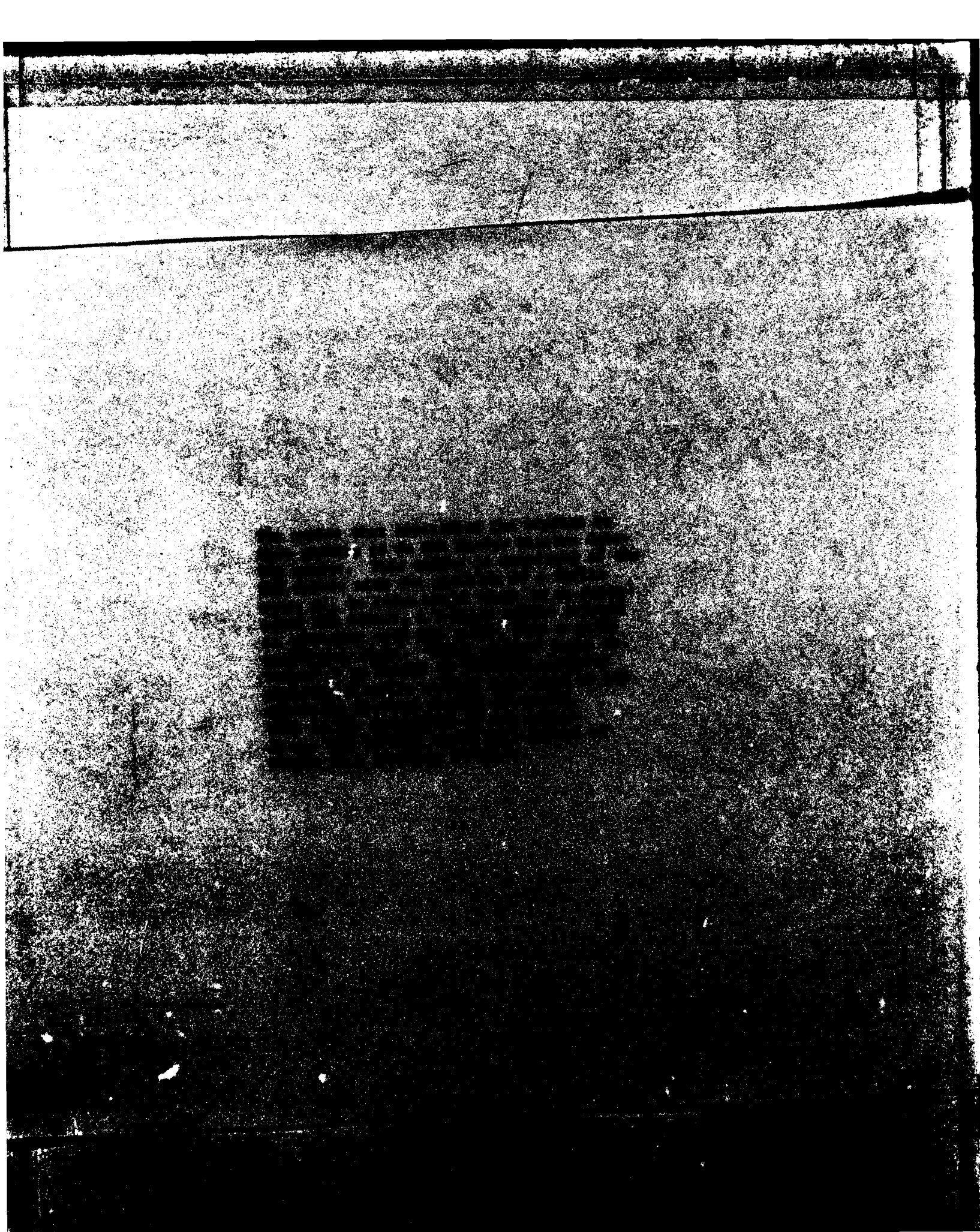


AD A116089

USAF/AFM/AS-52/021







U. S. DEPT. OF COMMERCE
BUREAU OF MARINE SERVICE
WASHINGTON, D. C.

STANDARD METEOROLOGICAL SYMBOLS OF SURFACE WEATHER OBSERVATIONS

GENERAL CONVENTIONS

Hourly observations are defined as those made at 15 minute intervals between 12 noon and 12 midnight.

DAILY OBSERVATIONS

Daily observations are defined as those made at 12 noon and 12 midnight, based on the standard time of the day. (Detailed and recent special, local, history of the day, etc., etc.)

SYMBOLS AND ABBREVIATIONS

Preceding each symbol is a brief description of the symbol and the manner of its use. The symbols are arranged in alphabetical order of the name of the observation. The symbols are arranged in alphabetical order of the name of the observation. The symbols are arranged in alphabetical order of the name of the observation.

Unless otherwise noted the following symbols are subject to the following:

Part A. WEATHER OBSERVATIONS

Clouds and Visibility

Part B. WEATHER OBSERVATIONS

Wind

Sea

Part C. WEATHER OBSERVATIONS

Part D. WEATHER OBSERVATIONS

Part E. WEATHER OBSERVATIONS

Part F. WEATHER OBSERVATIONS

Part G. WEATHER OBSERVATIONS

Part H. WEATHER OBSERVATIONS

Part I. WEATHER OBSERVATIONS

Part J. WEATHER OBSERVATIONS

Part K. WEATHER OBSERVATIONS

Part L. WEATHER OBSERVATIONS

Part M. WEATHER OBSERVATIONS

Part N. WEATHER OBSERVATIONS

Part O. WEATHER OBSERVATIONS

Part P. WEATHER OBSERVATIONS

Part Q. WEATHER OBSERVATIONS

Part R. WEATHER OBSERVATIONS

Part S. WEATHER OBSERVATIONS

Part T. WEATHER OBSERVATIONS

Part U. WEATHER OBSERVATIONS

Part V. WEATHER OBSERVATIONS

Part W. WEATHER OBSERVATIONS

Part X. WEATHER OBSERVATIONS

Part Y. WEATHER OBSERVATIONS

Part Z. WEATHER OBSERVATIONS

[illegible]

SECRET

1. The purpose of this document is to provide information regarding the activities of the [redacted] and to ensure that the [redacted] are kept up to date.

2. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

1. By [redacted] and [redacted], all [redacted] are to be maintained.
2. By [redacted], all [redacted] are to be maintained.

A person who is [redacted] in the [redacted] is to be kept up to date and accurate.

3. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

4. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

5. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

6. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

7. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

8. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

9. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

10. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

11. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

12. The [redacted] are to be maintained in a secure and confidential manner. The [redacted] are to be kept up to date and accurate.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sum of the individual categories may exceed the percentage total column. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

1

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2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		5.5	1.7	41.5		47.2	12.4	1.2	9.4		22.3	837
	03-05		5.6	1.0	39.9		45.5	12.3	.5	9.2		21.4	837
	06-08	.1	5.0	1.0	38.0		43.4	15.8	1.9	8.0		25.2	837
	09-11		5.1	.6	37.2		42.3	18.9	6.5	10.6		34.2	837
	12-14		6.0	1.1	36.1		42.1	14.0	7.8	11.2		31.7	837
	15-17		5.0	1.1	36.0		41.1	15.2	8.3	10.6		31.8	836
	18-20		6.8	1.0	37.2		42.8	11.8	4.7	8.6		22.9	837
	21-23		6.6	1.7	39.4		45.2	11.6	3.0	9.4		22.2	837
TOTALS		.0	5.7	1.2	38.2		43.7	14.0	4.2	9.6		26.5	6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		5.5	.4	34.0		39.4	13.5	2.8	5.2		20.5	762
	03-05		6.2	.5	35.8		41.7	18.6	1.0	5.8		21.1	762
	06-08		5.0	.8	37.3		42.1	19.0	3.1	5.6		27.0	762
	09-11		4.5	.3	34.1		38.8	19.9	10.9	6.3		34.4	762
	12-14		5.8	.1	33.3		38.8	13.6	8.7	7.2		28.6	762
	15-17		7.9		28.9		36.1	12.7	8.5	6.8		27.2	762
	18-20		8.4	.4	27.6		35.8	11.4	5.9	5.9		22.2	762
	21-23		7.5	.5	32.7		39.8	11.5	4.1	5.2		20.1	762
TOTALS			6.4	.4	33.0		39.1	13.7	5.6	6.0		25.1	6096

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAS	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.2	10.9	1.0	15.9		26.8	11.5	1.9	1.1		13.4	837
	03-05	.4	10.8	.7	15.8		25.9	12.3	.8	.8		13.7	837
	06-08		10.2	.7	15.2		24.9	24.9	4.4	1.6		26.9	837
	09-11	.1	11.1	1.1	15.5		26.9	23.9	9.1	1.6		31.9	837
	12-14		9.9	.6	14.5		23.8	14.9	8.0	2.8		28.8	837
	15-17	.2	10.8	.7	14.1		24.1	12.7	7.9	2.6		21.3	837
	18-20	.2	9.0	.7	14.3		23.1	14.8	5.1	1.9		19.0	837
	21-23	.2	10.0	.8	14.0		23.9	12.4	3.1	1.7		15.5	837
TOTALS		.2	10.3	.8	14.9		24.8	19.9	5.0	1.7		20.9	6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH FRESH.	FOG	SMOKE AND/OR HAZE	SHOWERS SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.9	17.2		5.8		21.6	11.2	1.4	.7		12.8	810
	03-05	.1	12.6	.1	6.2		18.8	14.3	1.4	.6		18.3	810
	06-08	.7	13.2	.2	4.7		17.8	21.7	6.3	.6		26.9	810
	09-11	.2	13.6	.2	5.4		18.9	13.8	3.8	.9		19.8	810
	12-14	.8	12.2		4.8	.1	16.8	8.9	2.1	.9		11.6	810
	15-17	.7	13.3		6.2	.1	16.8	9.8	3.6	1.1		12.8	810
	18-20	.2	12.2		4.8		18.8	18.8	4.9	1.1		14.4	810
	21-23	1.1	14.4		8.4		18.3	6.9	2.8	.7		8.8	810
TOTALS		.6	13.6	.1	5.2	.2	18.1	12.8	3.4	.8		16.3	6480

REMARKS: 0-10-73. 24 hours ending 01-01-74

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725267
STATION

NIAGARA FALLS NY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AMOUNT INCHES	FALLING RAIN & /OR DRIZZLE	SNOW AMOUNT INCH	HAZ	% OF CLEAR SKY	FOG	SMOKE AMOUNT FT	THUNDER WIND	WIND AMOUNT KNOTS	% OF OBS WIND GUST TO WIND	TOTAL NO. OF OBS
MAY	00-02	.7	13.9				12.9	10.8	2.8			16.5	637
	03-05	.7	12.1				12.9	10.8	2.8			21.5	637
	06-08	.2	14.7		.4		10.8	22.1	11.8			30.2	637
	09-11		12.2		.2		12.9	12.9	10.2			23.7	637
	12-14	.2	10.8		.1	.1	50.8	7.6	11.1			17.9	637
	15-17	.7	9.7		.4		9.7	6.3	11.8			16.8	637
	18-20	.4	11.8		.1		11.8	7.8	12.7			16.6	637
	21-23	1.2	13.5		.6		12.8	10.2	2.9			19.1	637
TOTAL		.2	12.2		.2	.1	12.2	11.8	9.2			19.9	6696

SECRET

72-01

4444

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AMT./CH. DROZLS	FREQUENT WINDS & FOG DROZLS	SNOW AMT./CH. DROZLS	HAZ.	1 OF CLOUD WINDS	FOG	SNOW AMT./CH. DROZLS	THUNDER- STORMS	RAIN AMT./CH. DROZLS	1 OF CLOUD WINDS & FOG DROZLS	TOTAL NO. OF CLOUDS
JUN	00-02	1.1	6.8				0.0	11.7	0.7			10.7	010
	03-05	1.6	6.0				0.0	19.0	0.9			25.0	010
	06-08	1.7	9.1				9.1	22.7	24.2			41.9	010
	09-11	.6	7.3				7.3	11.0	24.7			34.4	010
	12-14	2.8	7.3				1.3	5.2	21.4			25.4	010
	15-17	1.9	7.4				7.4	4.5	21.0			24.3	010
	18-20	1.8	6.7				0.7	5.0	19.8			23.5	010
	21-23	2.8	8.4				0.0	0.0	18.3			14.5	010
TOTALS		1.7	7.0				7.4	15.2	17.0			24.0	0000

CONTINUED

73-01

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UNCLASSIFIED CONFIDENTIAL

446

MONTH	MOON (A.T.)	THUNDER- STORMS	RAIN AVERAGE INCHES	STORMS WITH 1/4" OR GREATER	WINDY AVERAGE MPS	SEA	2-40 KTS WIND PERCENT	FOG	WIND AVERAGE MPS	SHOWERS AVERAGE INCHES	WINDY OR SEAS	2 OF ONE TYPE OR TO OTHER	TOTAL NO. OF OBS.
AUG	00-02	3.1	7.2				7.2	22.0	10.4			26.3	837
	03-05	2.0	6.1				6.1	22.0	10.2			32.9	837
	06-08	1.0	7.1				7.1	22.0	27.2			53.0	835
	09-11	.0	6.1				6.1	12.1	22.1			40.2	837
	12-14	1.0	6.0				6.0	0.0	27.7			32.9	837
	15-17	1.0	6.5				6.5	0.0	26.0			30.2	837
	18-20	1.0	6.0				6.0	0.7	27.2			32.3	836
	21-23	2.0	6.7				6.7	10.0	12.5			28.6	837
TOTAL		1.0	6.0				6.0	10.0	20.0			20.2	4072

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-82
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FIRING HAZE & FOG DRIZZLE	SNOW AND/OR Sleet	HAZ	% OF OBS WITH FIRING	FOG	SMOKE AND/OR HAZE	SHOWERS SNOW	DRY AND/OR SAND	% OF OBS WITH QUIT TO WHICH	TOTAL NO. OF OBS
NOV	00-02		11.0	.4	0.5		19.0	12.0	2.5	.1		12.2	010
	03-05	.2	12.0		9.0		21.0	15.1	2.1	.2		15.9	010
	06-08	.2	11.7		0.5		20.0	10.6	5.4	.2		22.1	010
	09-11	.2	13.5		10.0		22.5	17.3	9.9	.6		27.0	010
	12-14	.4	13.0		10.1		20.2	13.0	10.2	1.2		29.7	010
	15-17		15.0	.1	7.9		20.2	12.4	9.0	.2		22.0	010
	18-20		15.0	.1	7.0		22.2	10.7	9.0			19.2	010
	21-23	.1	12.7	.2	7.9		20.5	10.0	9.2	.1		12.7	010
TOTAL		.1	13.4	.1	0.0		21.7	10.1	5.0	.4		19.0	6405

5061

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

735267 NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLUSH	HAZ	% OF OBS WITH FROST	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
DEC	00-02		9.0	.1	25.8		53.6	9.9	.7	3.8		14.2	837
	03-05		9.4	.8	26.0		38.0	11.2	1.1	3.0		15.1	837
	06-08		11.0	.7	28.7		34.8	13.3	2.2	3.6		18.5	837
	09-11		7.2	1.1	28.1	.2	38.3	19.1	6.2	3.8		27.4	834
	12-14		9.0	.8	27.8	.4	38.7	13.6	6.6	4.4		24.3	837
	15-17		7.9	.4	24.9		31.9	18.8	6.3	4.7		28.2	837
	18-20		6.4	.8	24.9		38.8	11.1	1.9	3.7		18.8	838
	21-23		8.2	.8	27.9		38.4	12.1	1.0	4.8		17.6	834
TOTALS			8.8	.8	26.4	.8	34.4	13.2	3.3	3.9		19.8	6698

GLOBAL CLIMATOLOGY BRANCH
 WASHINGTON
 AIR WEATHER SERVICE/AFSC

WEATHER CONDITIONS

STATION NIAGARA FALLS, NY

1964

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	WIND (K.T.)	WINDY PERCENT	WINDY AND WET PERCENT	WINDY AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET AND WET AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET AND WET AND WET AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET AND WET AND WET AND WET AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET AND WET AND WET AND WET AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET AND WET AND WET AND WET AND WET AND WET PERCENT	WINDY AND WET AND WET AND WET AND WET AND WET AND WET AND WET AND WET PERCENT
JAN	ALL	4.0	8.7	1.0	20.0		42.7	25.0	0.0	0.0		20.0	6095
FEB			4.0	0.0	20.0		20.0	20.0	0.0	0.0		20.0	6096
MAR		0.0	20.0	0.0	20.0		20.0	20.0	0.0	0.0		20.0	6096
APR		0.0	20.0	0.0	0.0		20.0	20.0	0.0	0.0		20.0	6096
MAY		0.0	20.0		0.0		20.0	20.0	0.0			20.0	6096
JUN		0.0	0.0				0.0	20.0	20.0			20.0	6096
JUL		0.0	0.0				0.0	20.0	20.0			20.0	6096
AUG		0.0	0.0				0.0	20.0	20.0			20.0	6096
SEP		0.0	0.0				0.0	20.0	20.0			20.0	6096
OCT		0.0	20.0		0.0		20.0	20.0	0.0			20.0	6096
NOV		0.0	20.0	0.0	0.0		20.0	20.0	0.0	0.0		20.0	6096
DEC			0.0	0.0	20.0		20.0	20.0	0.0	0.0		20.0	6096
YEAR		0.0	0.0	0.0	20.0		20.0	20.0	0.0	0.0		20.0	10079

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WEAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

725287
STATION

NIAGARA FALLS NY
STATION NAME

51-64, 68-81
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.8	27.3	7.3	79.9		88.7	46.8	57.5	26.0		83.2	763
FEB		.6	26.5	4.0	73.3		83.4	51.5	62.4	21.8		83.5	679
MAR		3.4	36.6	4.4	52.0	.7	69.9	48.3	52.3	9.0		71.2	744
APR		9.4	51.8	.3	18.6	.6	59.4	44.9	51.1	1.4		66.3	720
MAY		9.4	51.6		1.5	.7	51.9	45.2	58.7			68.5	744
JUN		19.0	48.1		.1	.5	48.1	47.0	66.7			71.3	738
JUL		19.0	43.3			.7	43.3	49.1	74.2			77.6	751
AUG		19.4	44.7		.1	.4	44.7	58.6	73.8			79.1	713
SEP		12.9	48.0		.1	.3	48.0	51.6	65.9			74.1	690
OCT		3.2	43.5	2.0	30.2	.3	64.5	48.2	61.2	6.5		73.5	712
NOV		1.8	52.5	.7	34.3	.4	71.3	47.6	53.9	3.9		71.1	760
DEC		.9	35.2	7.5	67.8		83.6	50.3	54.5	16.1		77.8	805
TOTALS		8.3	42.4	2.2	29.8	.4	63.1	49.1	61.0	7.1		74.8	8819

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

C PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- B**
1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
 - * 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals zero for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

D

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USNB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
FROM DAILY OBSERVATIONS

725267 NIABARA FALLS NY 51-48, 88-81

PRECIP.	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NOON	TRACE	.01	.01-.05	.05-.10	.10-.25	.25-.50	.50-1.00	1.00-2.00	2.00-3.00	3.00-4.00	4.00-6.00	6.00-10.00	OVER 10.00			NOV	DECEMBER	JAN
SNOWFALL	NOON	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-20.4	20.5-25.4	25.5-30.4	OVER 30.4					
SNOW- DEPTH	NOON	TRACE	1	2	3	4-6	7-10	10-20	20-30	30-40	40-50	50-60	60-70	OVER 70					
JAN	11.1	29.6	7.3	16.5	11.0	15.9	8.9	2.2	.4						59.2	763	2.46	4.62	1.10
FEB	16.8	28.4	7.4	15.3	10.3	11.9	6.0	3.2	.4	.1					54.6	679	2.45	4.54	.84
MAR	29.2	25.7	4.8	18.6	6.5	10.8	7.0	4.8	.7						45.2	744	2.00	4.96	.75
APR	39.7	18.5	2.9	8.3	6.8	9.6	7.5	6.3	.4						41.6	720	3.01	4.72	1.39
MAY	47.0	15.9	3.1	8.3	4.2	8.5	7.7	4.4	.9						37.1	744	2.08	6.47	.70
JUN	51.4	16.9	2.4	6.0	5.1	7.0	6.0	3.4	1.6	.1					31.7	736	2.72	4.86	.23
JUL	56.4	14.7	2.5	5.7	5.0	5.0	3.7	5.0	1.7						28.8	753	2.65	5.76	.65
AUG	54.7	14.3	3.2	5.2	3.6	6.0	5.0	4.0	2.5	.4					31.0	713	3.75	8.96	.79
SEP	51.4	15.5	3.3	5.4	4.5	7.2	5.8	5.5	1.8	.3					33.0	690	3.87	7.00	1.04
OCT	35.5	21.2	4.4	7.7	6.7	11.5	7.7	4.5	.5	.1					42.5	712	2.98	4.54	.44
NOV	28.2	22.8	5.7	11.6	6.9	11.1	9.4	2.4	2.0						48.9	750	3.02	4.86	1.00
DEC	16.1	26.3	5.6	17.2	10.4	10.7	9.4	2.4	.5						57.6	804	3.09	9.71	1.09
ANNUAL	34.5	20.8	4.4	9.8	6.7	9.6	6.6	4.2	1.9	.1					42.7	8038	3.73		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

725287 NIAGARA FALLS NY

51-64, 68-81

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						.87	.84	.47	1.08	1.18	1.55	.51	
52	.55	.59	.95	.63	.94	.13	1.08	1.93	.94	.13	.59	.80	1.93
53	.40	.40	2.30	.60	.86	.21	1.54	2.01	1.74	.29	.67	.91	2.30
54	.50	3.13	1.00	.78	.30	.77	.15	2.79	.64	2.92	1.03	.55	3.13
55	.34	.58	1.03	.69	1.02	.63	1.98	1.84	.85	1.55	.37	.41	1.98
56	.62	.70	.63	1.13	.95	.22	.81	2.60	.70	.51	1.81	.83	2.60
57	1.41	.73	.83	.98	1.66	2.52	.93	.22	.96	.68	.48	.97	2.52
58	.76	.94	.15	.84	.69	.49	.90	1.72	.61	.39	.84	.20	1.72
59	1.35	1.01	.67	.92	.22	.66	.88	3.24	2.40	.88	.46	.87	3.24
60	.36	.91	.45	.47	.88	.94	.67						
61										.21	.73	.71	
62	.80									.83	.54	1.10	
63	.36	.17	.69	1.60	.70	.78	.93	1.86	.36	.21	1.84	.24	1.86
64	.68	.33	1.04	.95	1.12	.55	.89						
68											1.37	.77	
69	1.10	.22	.43	.73	1.10	.82	1.28	.84	.39	.33	.76	.79	1.28
70	.40	.61	.67	.93	.80	1.64	1.89	1.58	.58	.88	1.03	.69	1.64
71	.27	.81	.34	.52	.48	1.96	2.81	2.28	.59	.85	.49	.77	2.28
72	.27	1.46	.95	.54	1.12	1.04	.48	.98	1.89	1.89	.63	.84	1.46
73	.30	.62	1.32	.88	.84	1.37	.71	.71	.88	1.88	1.88	.22	1.32
74	.41	.94	.63	.96	1.24	1.78	1.88	1.12	.87	.32	1.23	1.11	1.78
75	.53	.64	.87	.45	.37	1.32	.88	1.53	.88	.72	.46	.73	1.53
76	.52	.58	.89	1.18	.46	1.82	1.22	.48	.73	.69	.27	.38	1.82
77	.46	.16	.42	.92	.69	.48	.85	.77	2.53	.72	1.18	1.88	2.53
78	.75	.39	.77	.71	.74	1.31	.61	1.78	1.88	.87	.43	.71	1.78
79	.67	.28	.38	.67	.74	.87	1.81	.55	4.24	.91	.51	.79	4.24
80	.77	.29	1.12	.86	.85	1.88	1.29	.87	.77	1.88	.46	.68	1.88
81	.19	1.02	.52	.62	.87	1.98	1.27	.88	.82	.73	1.87	.49	1.98
MEAN	.592	.717	.782	.811	.825	1.015	.975	1.257	1.116	.823	.793	.788	1.015
S.D.	.285	.289	.412	.459	.459	.611	.611	.688	.698	.556	.508	.492	.611
TOTAL OBS.	743	679	744	728	744	728	743	713	688	747	748	806	806

NOTE: * TUBES ON LESS THAN FULL MONTHS

USAF ETAC FORM 24-61 6-60-6 (OL A)

MONTHLY PRECIPITATION

2024 BEST COUNSELLOR

51-44-0000

[illegible]

TIME'S TAKING ON LIFE WHEN FEEL MONTAG

MEMPHIS TENN 68-1114

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AROUND

PERCENTAGE FREQUENCY OF
WINDS
FROM EACH DIRECTION

222207 NIAGARA FALLS NY 22-22, 22-21

TIME	DIRECTION (DEGREES)														TOTAL NO. OF WINDS	WINDS FROM EACH DIRECTION		
	000	030	060	090	120	150	180	210	240	270	300	330	360	000		000	030	060
0000	20.7	32.2	17.2	10.1	5.6	2.2	1.0	.0	.0	.1				67.1	762	17.5	48.9	.0
0300	27.0	29.0	10.9	12.2	0.7	2.2	1.0	1.0	.0					62.9	678	10.9	27.0	.0
0600	40.9	20.0	11.2	0.2	2.0	1.0	.7	.0	.7					22.2	700	9.7	20.0	.0
0900	00.7	11.7	3.2	2.0	1.0	.0	.0							7.0	720	2.0	10.4	TRACE
1200	90.2	1.2	.1											.1	700	TRACE	.0	.0
1500	99.9	.2													720	TRACE	TRACE	.0
1800	100.0														702	.0	.0	.0
2100	100.0														712	.0	.0	.0
2400	99.9	.1													690	TRACE	TRACE	.0
0000	00.0	10.0	0.0	0.0	1.0	1.0	1.0	.2	.0					10.1	712	0.7	27.0	.0
0300	00.1	10.0	0.0	0.7	1.0	.0	.7	.7	.0					10.0	700	0.2	20.0	TRACE
0600	21.0	22.0	12.0	10.0	0.0	2.0	1.0	1.0	.0					20.0	720	10.0	21.0	.0
0900	70.0	12.0	0.0	0.0	1.0	.0	.0	.0	.0					10.0	690	10.0	70.0	TRACE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

725287 NIAGARA FALLS NY

51-69, 68-81

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						.0	.0	.0	.0	.0	9.0	4.1	
52	2.3	3.6	1.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	8.0	8.0
53	3.5	2.7	1.0	1.0	.0	.0	.0	.0	.0	.0	7.1	7.0	7.0
54	3.1	3.0	0.0	.1	TRACE	.0	.0	.0	.0	TRACE	.1	0.0	8.0
55	2.7	2.4	3.0	.1	.0	.0	.0	.0	.0	TRACE	3.7	0.5	0.0
56	6.7	6.9	6.8	2.1	TRACE	.0	.0	.0	TRACE	.0	3.6	1.6	6.0
57	6.7	4.3	3.0	3.0	.0	.0	.0	.0	.0	TRACE	.9	2.0	6.7
58	7.6	9.9	1.5	1.0	.0	.0	.0	.0	.0	.0	4.9	2.1	9.0
59	4.3	4.3	6.7	.7	TRACE	.0	.0	.0	.0	TRACE	4.6	4.6	6.7
60	2.6	9.1	4.5	.3	.0	.0	.0						
61										.0	.3	7.1	
62	0.0									2.5	1.2	3.0	
63	3.6	1.7	1.0	.7	.4	.0	.0	.0	.0	.0	3.0	2.0	3.0
64	6.0	3.2	6.0	3.1	.0	.0	.0						
65											TRACE	3.2	
66	.3	.1	.2	2.4	TRACE	.0	.0	.0	.0	2.3	9.6	9.0	9.0
67	6.6	6.4	1.3	.8	.0	.0	.0	.0	.0	TRACE	.9	5.0	6.0
68	1.9	5.1	3.4	1.2	.0	.0	.0	.0	.0	.0	2.3	7.0	7.0
69	2.1	4.5	3.4	4.0	.0	.0	.0	.0	.0	1.2	5.0	5.4	5.0
70	1.7	2.1	0.2	.7	.0	.0	.0	.0	.0	TRACE	2.9	3.0	3.0
71	7.0	4.3	10.4	2.0	TRACE	.0	.0	.0	.0	TRACE	5.4	7.7	10.0
72	.9	2.1	2.0	9.2	.0	TRACE	.0	.0	.0	.0	2.1	5.0	5.0
73	3.0	.0	6.5	.1	TRACE	.0	.0	.0	.0	TRACE	6.9	4.0	6.0
74	4.6	.0	9.2	.7	TRACE	.0	.0	.0	.0	TRACE	1.2	8.0	8.0
75	10.5	7.0	.7	1.5	TRACE	.0	.0	.0	.0	TRACE	4.2	3.6	10.0
76	5.0	0.0	1.7	3.7	.0	.0	.0	.0	.0	TRACE	TRACE	2.7	2.0
77	4.0	2.9	0.0	.3	.0	.0	.0	.0	.0	TRACE	1.3	4.7	4.0
78	1.9	2.8	2.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	5.0	5.0
79													
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NOTE: * INDICATES LESS THAN FULL MONTH

WEATHER SERVICE AIR MAC (GWS 101.1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL

725287 NIAGARA FALLS NY

51-50, 52-51

(FROM DATA CONTINUATION)

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						.0	.0	.0	.0	.0	28.8	17.7	
52	16.4	8.0	3.7	TRACE	.0	.0	.0	.0	.0	TRACE	.0	18.8	95.8
53	10.3	10.4	2.7	1.2	.0	.0	.0	.0	.0	.0	13.8	7.7	48.0
54	13.5	7.8	21.2	.1	TRACE	.0	.0	.0	.0	TRACE	.1	21.1	62.8
55	12.0	9.1	4.4	.1	.0	.0	.0	.0	.0	TRACE	6.1	24.7	84.0
56	23.7	18.1	19.6	4.0	TRACE	.0	.0	.0	TRACE	.0	7.3	15.2	87.3
57	30.8	8.4	6.9	9.7	.0	.0	.0	.0	.0	TRACE	1.0	8.0	89.8
58	27.7	39.0	7.3	1.2	.0	.0	.0	.0	.0	.0	6.8	18.2	91.9
59	21.8	17.2	24.4	.7	TRACE	.0	.0	.0	.0	TRACE	7.3	13.2	84.0
60	12.7	32.2	18.8	.7	.0	.0	.0						
61										.0	.4	17.0	
62	12.3									2.5	1.8	12.5	
63	17.7	5.2	2.4	.7	.4	.0	.0	.0	.0	.0	3.8	16.3	45.4
64	11.0	12.8	10.8	3.5	.0	.0	.0						
65											TRACE	11.0	
66	.9	.2	.2	2.4	TRACE	.0	.0	.0	.0	2.9	12.7	18.5	48.8
67	22.8	15.6	6.8	.5	.0	.0	.0	.0	.0	TRACE	1.9	28.0	64.0
68	12.1	14.9	19.6	1.3	.0	.0	.0	.0	.0	.0	7.8	12.9	65.0
69	16.3	20.2	8.3	5.0	.0	.0	.0	.0	.0	2.2	18.1	15.0	77.7
70	2.9	11.0	11.0	1.1	.0	.0	.0	.0	.0	TRACE	3.5	21.0	51.5
71	16.8	28.7	16.9	5.5	TRACE	.0	.0	.0	.0	TRACE	9.7	19.8	88.4
72	3.6	11.7	4.8	10.0	.0	TRACE	.0	.0	.0	.0	3.2	28.9	59.5
73	25.8	2.4	14.4	.1	TRACE	.0	.0	.0	.0	TRACE	6.8	23.6	77.0
74	20.6	5.6	10.2	.0	TRACE	.0	.0	.0	.0	TRACE	9.3	21.2	78.5
75	48.9	29.2	1.1	1.5	TRACE	.0	.0	.0	.0	TRACE	8.6	4.2	84.0
76	32.8	22.9	3.4	6.8	.0	.0	.0	.0	.0	TRACE	TRACE	12.8	78.0
77	7.7	12.1	13.4	.0	.0	.0	.0	.0	.0	TRACE	5.0	28.1	87.0
78	17.5	7.7	9.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	25.2	62.0

NOTE: 0 INDICATES LESS THAN FULL MEASUREMENT

0
2
◆

GLOBAL CLIMATOLOGY BRANCH
US/PETAC
AIR WEATHER SERVICE/WAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
EACH DEPTH
FROM DAILY OBSERVATIONS

225207 NIAGARA FALLS NY 21-00, 20-01

DEPTH	AMOUNTS (INCHES)														TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13		0.00	0.01	0.02
0.00	12.7	10.9	12.9	11.0	9.2	10.0	10.9	6.7							71.0	770		
0.01	10.9	13.7	11.0	11.0	11.9	10.1	9.0	7.0	1.1						71.0	707		
0.02	41.0	27.0	10.7	0.9	3.7	0.0	3.0	2.2							39.2	772		
0.03	09.7	0.2	1.9	.9	.0	.7	.1								0.0	700		
0.04	99.7	.1	.1												.1	700		
0.05	100.0															700		
0.06	100.0															700		
0.07	100.0															712		
0.08	100.0															690		
0.09	99.0	.0														700		
0.10	01.0	9.0	0.0	1.0	1.0	0.0	.7								9.7	700		
0.11	31.0	10.0	12.0	0.0	7.0	0.0	0.0	1.0							32.0	700		
0.12	70.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	.0						70.0	700	×	×

NO. OF OBSERVATIONS

UNCLASSIFIED

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

① PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. **Extreme Values - Peak Gusts:** Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total row count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. **Percentage Frequency Frequency Tabulations:** Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In those data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VBL.

- a. Three tables are prepared for ALL MONTHS surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting EXCLUDED CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 3-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

- ① *Values for means and standard deviations do not include measurements from incomplete months.

2

(FROM DAILY OBSERVATIONS)

58-63

WAVE

0
0
0
0
0
0
0
0

[illegible]

NOTES • (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 95-64 6-55-5 (OL A)

2 BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	1.6	1.3	.1							3.8	10.2
NNE	.2	.7	.4									1.3	5.5
NE		.4	.5	.8	.5							2.2	12.0
NNE	.4	1.0	.5	.8	.4	.1						3.1	9.7
E	.7	3.3	2.5	1.6	.4							8.5	8.0
ESE	.1	1.3	1.6									3.0	6.6
SE	.1		1.0									1.1	7.9
SSE	.2	.8	.8	.1	.1							2.2	7.3
S	.2	1.9	3.3	2.0	.5	.2						8.2	9.8
SSW	.2	.6	1.3	1.9	.2	.1						4.9	10.7
SW	.5	1.7	1.9	4.2	1.7	.2	.1	.2				10.5	12.9
WSW	.5	1.1	3.2	8.1	2.5	1.4	.1	.1				17.1	13.7
W	.4	1.1	4.9	10.4	2.5	.6	.1					20.0	12.8
WNW	.4	1.1	2.0	2.2	.7							6.3	10.5
NW		.4	1.7	.8	.1							3.0	9.7
NNW		1.2	.7	.5	.4	.8						3.1	11.1
VALE													
CALM												2.3	
	3.9	17.3	27.8	38.8	10.0	3.1	.8	.8				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287 STATION 73-81 YEARS 1961-1962

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	.4	1.4	.1							3.2	9.0
NNE	.2	.4	.4	.4								1.3	7.8
NE		1.0	.2	.2	.2	.1						1.8	9.8
ENE	.5	1.6	1.7	1.1	.5	.4						5.6	9.5
E	1.1	2.2	2.3	1.7	.4							7.5	8.1
ESE	.1	.4	.7	.1								1.3	7.2
SE		.7	.4									1.1	6.1
SSE	.1	.6	.4	.2	.1	.1						1.6	9.5
S	.1	3.0	1.6	2.7	1.0							8.8	9.4
SSW	.2	1.1	1.2	2.2	.4							5.0	10.8
SW		1.6	2.3	4.4	1.4	.2	.4					10.3	12.7
WSW	.1	2.0	2.9	7.9	2.4	1.2	.5	.1				17.3	13.8
W	.2	1.3	6.4	9.3	3.1	.7						21.3	12.8
WNW		.7	2.4	1.4	.5	.1						5.1	10.7
NW	.4	.4	1.7	1.1	.1	.1						3.7	9.5
NNW	.1	.2	1.1	1.3								2.7	10.5
VARBL													
CALM												2.7	
	3.6	17.9	25.9	35.5	10.4	3.0	.8	.1				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.8	1.6	1.6								4.1	9.4
NNE		.7	.1	.2	.1	.1						1.3	9.6
NE	.2	.5	1.0		.2	.1						2.0	9.6
NNE	.1	1.6	1.9	1.0	.2							4.8	8.6
E	.4	2.4	3.0	2.3	.2							8.2	8.8
ESE		.6	1.0	.8								2.4	9.0
SE		.5	.2									.7	6.0
SSE		.8	.5	.1	.1							1.6	7.4
S	.7	2.9	2.5	3.1	1.3	.2						10.8	10.1
SSW	.1	.8	2.3	1.1	.6							4.9	9.8
SW	.1	1.7	1.9	3.2	1.7	.4	.1	.1				9.2	12.7
WSW	.2	.7	1.8	8.7	2.5	1.2	.4		.2			15.8	15.1
W	.1	2.7	5.7	9.1	2.6	.6						20.9	12.0
WNW	.2	.6	1.2	1.9	.6	.2						4.3	11.8
NW		.7	1.4	1.1	.4							3.6	10.5
NNW		.1	1.1	1.6	.1							2.9	11.3
VARIABLE													
CALM												2.6	
	2.4	18.2	27.1	35.2	10.8	2.9	.5	.1	.2			100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 STATION NAME NIAGARA FALLS NY 73-81 WEATHER JAN

ALL WEATHER

0900-1100
MOON (L.V.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.8	1.2	2.5								8.5	10.2
NNE		.2	.7	.5	.2							1.7	10.6
NE		.4	.7	.5	.5							1.6	11.1
ENE	.6	1.1	1.6	1.1	.2							8.5	8.2
E	.5	2.6	3.2	2.3	.1							8.7	8.5
ESE	.1	1.1	1.3	.5								3.0	7.5
SE		.6	1.1	.8								2.0	8.2
SSE		.7	.6									1.3	6.5
S	.4	1.2	2.7	8.2	1.0	.1						9.6	11.8
SSW	.2	.7	1.2	2.0	.7							6.9	11.1
SW		.5	2.2	8.8	1.1	.6	1.0	.1				9.8	18.6
WSW		.7	1.8	7.3	3.7	1.6	.2	.2				15.2	15.7
W	.1	1.8	8.3	11.8	2.5	1.1						20.8	13.1
WWW	.1	.5	1.1	1.7	.8	.1						3.8	11.8
NW		.1	1.7	2.3	.8							8.8	11.9
NNW		.7	1.1	1.3								3.1	10.3
VARIABLE													
CALM												1.1	
	2.0	13.8	26.0	81.7	10.8	3.5	1.2	.8				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 837

7933

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

JAN
MONTH

ALL WEATHER
CLASS

1200-1800
TIME (L.A.T.)

ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.2	1.8	1.4								9.5	8.9
NNE	.2	.9	.9	.1	.2							1.3	9.1
NE	.2	.5	1.0	.5	.2							2.4	9.3
NNE		1.2	2.4	1.9	.1							5.6	9.4
E	.4	1.1	2.9	2.0								6.3	9.1
ESE		.1	1.3	.2								1.7	8.3
SE	.1	.2	.5	.1								1.0	6.9
SSE	.1	.2	.2	.1								.7	7.5
S	.2	1.0	1.6	2.3	.5	.1						5.6	10.8
SSW		.1	1.2	3.3	.7							5.4	12.9
SW		.7	1.6	6.9	3.0	.7	.7	.1				13.7	15.3
WSW		1.0	1.6	7.0	4.1	2.0	.7	.4	.1			16.8	16.6
W	.2	.6	2.6	11.0	2.7	1.8	.1					19.1	16.3
WNW		.5	1.7	3.3	1.0	.4						6.8	13.3
NW		.4	1.8	1.8	.5							4.4	11.3
NNW	.1	.4	1.1	2.2								3.7	10.7
VARS													
CALM												.8	
	1.8	9.8	23.8	88.3	13.0	5.0	1.5	.5	.1			100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 137

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

JAN
MONTH

ALL WEATHER
ALL

1500-1700
TIME PERIOD

DESCRIPTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.9	.6								1.2	0.1
NNE	.1	.7	.8	.2								1.8	0.5
NE	.1	.6	1.6	.8	.8							3.0	0.1
NNE	.2	1.1	2.6	1.8	.1							5.9	0.1
E	.1	1.0	3.3	1.9								6.3	0.2
ESE		.1	1.1	.2								1.8	0.9
SE			.5									.8	0.5
ESE		.5		.2								.7	0.8
S	.1	1.7	1.6	1.3								8.7	0.5
SSW		.2	1.3	2.5	.6							4.7	12.8
SW		.1	2.9	6.3	1.9	.2	1.2	.8	.2			13.3	16.1
WSW	.8	1.6	1.7	8.0	8.9	1.6	.2					18.3	18.7
W		1.6	3.9	10.3	14.0	1.0	.2					20.0	13.8
WWW	.1	.8	1.9	1.9	1.0	.6						5.9	13.2
WNW		.7	1.7	2.6	.5	.1	.8					6.0	12.5
NNW	.1	.5	1.8	1.8	.1							3.6	0.2
VARIABLE													
CALM												1.2	
	1.3	11.8	27.8	18.8	13.8	3.8	2.0	.8	.2			100.8	12.8

TOTAL NUMBER OF OBSERVATIONS

026

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725287

NIAGARA FALLS NY

73-81

JAN

ALL WEATHER

1800-2000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.3	1.1	1.3								5.3	7.0
NNE	.2	1.1		.1								1.9	8.9
NE	.1	.7	.1	.2								1.2	7.0
NNE	.4	1.7	1.6	1.7								5.3	8.3
E	.5	1.6	4.7	1.9								8.6	8.6
ESE	.1	.7	.7	.1								1.7	6.6
SE	.2	.7	.6	.2								1.8	6.9
ESE	.1	.8	.4	.1	.1							1.6	6.9
S	.1	2.5	1.6	1.9	.2							5.9	8.3
SEW		1.0	1.2	2.5	.2	.2	.1					8.3	12.0
SW		.8	2.9	3.3	.7	.7		.2				8.7	13.3
WSW	.2	.6	2.9	6.8	8.8	1.3	.7					17.3	15.3
W	.2	1.9	4.3	12.1	3.3	.6	.1					22.6	12.9
WSW		.8	1.8	1.9	.5	.8						5.1	12.2
WW		.4	1.1	2.0	.6	.8						6.6	13.1
WSW		.2	1.2	1.1								2.5	10.2
VALE													
CALM												1.4	
	2.9	17.8	25.6	16.9	10.5	3.7	1.0	.2				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725267

NIAGARA FALLS NY

73-81

1AM

ALL WEATHER

2100-2300

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.3	1.2	1.8	.2							4.7	9.8
NNE		.5	.1									.6	5.0
NE	.8	.5	.2	.7	.5							2.3	10.0
NNE	.6	1.3	.6	1.6								4.1	8.8
E	.8	1.5	2.8	2.7								9.0	8.2
ESE	.1	1.1	1.9									3.1	7.2
SE	.1	1.0	.6	.2								1.9	6.6
SSE	.1	1.2	.8									1.7	5.8
S	.5	1.6	1.7	2.2	.1							6.0	9.1
SSW	.2	.8	.7	2.2	.1	.8						3.9	11.9
SW	.1	1.0	2.2	3.8	1.0	.8	.1	.6				8.7	13.8
WSW	.2	1.2	2.7	8.8	3.3	1.9	.1					17.9	18.5
W	.8	1.0	5.0	10.6	3.1	.7						20.8	12.9
WWW		.8	1.6	1.9	1.0							5.3	11.8
WNW		.1	1.8	1.7	1.2	.2						4.7	13.8
WNW		.2	1.7	1.1	.2	.1						3.3	11.1
VAR													
CALM												2.2	
	1.3	14.5	28.8	18.8	18.8	3.2	.2	.6				108.0	11.3

TOTAL NUMBER OF OBSERVATIONS

812

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287

NIAGARA FALLS NY

73-81

JAN

ALL WEATHER

ALL
MOON (L.S.V.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	1.3	1.5	.1							6.2	9.1
NNE	.1	.6	.3	.2	.1	.0						1.3	7.7
NE	.1	.6	.7	.4	.3	.0						2.0	9.8
NNE	.3	1.3	1.6	1.4	.2	.1						4.9	8.9
E	.5	2.2	3.0	2.0	.1							7.9	8.5
ESE	.1	.7	1.2	.3								2.2	7.6
SE	.1	.5	.6	.1								1.3	7.0
SSE	.1	.7	.4	.1	.1	.0						1.4	7.2
S	.3	2.0	2.1	2.4	.4	.1						7.4	9.9
SSW	.1	.6	1.3	2.2	.4	.1	.0					4.8	11.4
SW	.1	1.0	2.2	4.5	1.4	.4	.0	.2	.0			10.5	14.0
WSW	.2	1.1	2.3	7.8	1.6	1.5	.4	.1	.0			17.0	19.9
W	.2	1.4	4.7	10.5	2.9	.2	.1					20.7	13.0
WWW	.1	.7	1.7	2.0	.7	.2						5.3	11.9
WSW	.0	.4	1.4	1.7	.4	.1	.0					4.3	11.7
WSW	.0	.4	1.2	1.3	.1	.1						2.1	10.6
VAR													
CALM												1.8	
	2.6	15.2	26.0	28.3	11.1	3.6	1.0	.3	.1			100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

6688

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
ELEV

FEET
ELEV

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.7	2.0	2.8	.1							5.5	10.3
NNE	.3	.8	.7	.5								1.8	8.6
NE	.1	.5	1.6	1.3	.3							3.8	9.9
NNE	.7	1.3	1.6	1.6	.3							5.8	8.5
E	.8	3.5	2.8	2.1	.1							9.3	7.8
ESE	.1	1.7	.7	.1								2.6	6.0
SE	.1	.8	.8									.9	6.3
ESE		.5	.1									.7	5.8
S	.1	2.9	2.8	1.8	.3		.1					8.0	8.6
SEW		2.1	2.5	1.8	.5							6.8	9.3
SW	.8	1.0	8.3	3.9	.7							10.8	10.9
WSW		.8	1.8	6.8	2.2	.8	.3					18.3	13.6
W	.3	2.1	8.2	5.9	1.8	.8						18.3	11.5
WWW	.1	.5	1.6	.7	.8	.3						3.9	11.9
HW	.8	1.0	1.8	1.8	.1							8.9	9.8
HHW	.1	.7	2.0	1.8								8.2	9.7
VARIES													
CALM												3.1	
	17.8	20.2	31.8	31.8	8.8	.7	.8					108.0	8.8

TOTAL NUMBER OF OBSERVATIONS 742

07936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287

NIAGARA FALLS NY

73-81

FEB

ALL WEATHER

0300-0500
HOURS (L.A.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.4	1.8	2.3								5.9	9.2
NNE	.4	.5	.9	.3								2.1	7.0
NE		.8	1.3	1.2								3.3	9.3
NNE	.9	1.2	1.0	1.6	.1							4.9	8.6
E	.7	3.1	2.9	2.8								8.7	8.8
ESE		1.4	.4	.1								2.0	6.1
SE	.4	1.2	.5									2.1	5.8
ESE	.1	.5	.4		.3							1.3	8.6
S	.5	3.3	2.2	1.3	.3							7.6	7.6
SEW	.5	1.7	2.5	2.6	.4							7.7	9.5
SW	.5	.8	3.3	4.1	1.0	.5						10.2	11.5
WSW	.3	.8	3.5	4.7	.9	1.2						11.4	12.3
W	.3	2.5	5.5	7.1	1.7	.8	.1					17.4	11.3
WWW	.1	1.0	.8	2.2	.8	.8						5.1	12.0
WW	.5	.8	.9	.8	.1	.1						3.3	9.0
WNW	.3	1.3	1.3	1.3								4.2	8.8
WAVE													
CALM												2.6	
	6.8	22.8	28.8	32.1	5.7	2.8	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY

STATION NAME

73-81

YEAR

FEB

MONTH

ALL WEATHER

DADD-DADD
BASE (C.V.)

COUNTRY

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	.9	1.2								3.7	9.8
NNE	.1	.7	.5	.5								1.8	8.1
NE	.1	.8	1.8	1.0								3.8	9.2
NNE	.3	1.2	.9	1.3	.1							3.8	8.8
E	.8	3.1	2.8	2.6								9.3	8.1
ESE		1.8	.8	.3								2.5	6.8
SE	.1	.8	.8	.1								1.8	6.8
SSE	.1	.3	1.0									1.8	7.0
S	.3	3.1	2.8	2.2	.5							8.9	8.9
SSW	.3	2.1	2.5	2.0	1.3							8.1	10.1
SW	.8	1.7	1.6	5.0	.5	.1						9.3	11.8
WSW		.9	2.1	5.6	1.2	1.0	.1					11.0	13.3
W	.8	2.5	5.1	6.7	1.0	.1						16.3	10.3
WWV	.8	1.7	1.8	1.3		.5						5.8	9.5
WV		1.0	1.0	3.0		.1						5.2	10.9
WVV		.8	.7	1.2	.1							2.8	10.2
VARL													
CALM												5.1	
	4.2	22.7	26.8	28.6	8.8	3.0	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

262

7937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725207

NIAGARA FALLS NY

73-81

FEB

ALL WEATHER

0900-1100
MOON (L.A.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.8	1.8								4.1	10.0
NNE	.1		1.0	.7								1.8	9.9
NE	.1	.3	1.8	1.0	.3							3.1	10.2
NNE	.8	1.0	1.0	1.2	.3							4.3	8.4
E	.7	1.7	3.5	2.2								8.1	8.8
ESE		.8	.9	.1								1.8	7.2
SE		.4	.1	.1								.7	7.4
SSE	.1	.1	.5	.7	.1	.1						1.7	11.3
S	.9	1.8	2.2	3.8	.4		.1					9.3	9.8
SSW	.1	.9	2.5	3.1	.8							7.5	11.2
SW	.1	.4	3.3	5.4	1.4	.4						11.0	12.5
WSW	.1	.5	2.1	6.7	1.8	.1	.5					11.9	13.9
W	.3	.9	3.4	7.5	2.4	.1						14.4	12.4
WWW	.5	1.7	2.5	1.2	.8							6.3	8.7
NW		.4	2.2	3.3	.3							6.2	11.5
NNW		1.0	1.3	1.6	.5							4.5	10.6
VARS													
CALM												3.0	
	8.1	12.7	29.7	80.8	8.7	.8	.7					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287 STATION NAME NIAGARA FALLS NY 73-81 YEARS FEB MONTH

ALL WEATHER CLASS

1200-1400 HOUR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.8	2.8	1.8								8.6	9.2
NNE	.1		1.0	1.2								2.8	10.0
NE	.3	.8	1.6	.9	.3							3.8	9.3
ENE	.4	1.7	2.1	1.6								5.8	8.8
E	.7	1.2	1.6	1.7								5.1	8.5
ESE		.3	.5	.8								1.2	8.1
SE	.1	.1	.8	.1								.8	7.8
SSE	.8	.3	.5	.1		.8						1.7	11.1
S	.3	.9	1.3	3.3	.8	.1						6.3	11.3
SSW		.7	1.6	2.1	.1	.1						8.6	11.4
SW		.5	2.8	7.9	1.6	1.0						13.8	13.8
WSW	.1	.8	2.0	6.6	2.6	1.0	.8					13.1	14.7
W	.3	.5	2.0	5.9	3.7	1.8						13.8	14.7
WNW		1.3	3.3	3.7	.8	.1						8.8	10.7
NW	.1	1.8	2.8	8.3	.5							9.2	10.9
NNW		.8	1.2	1.7	.1	.1						3.9	10.3
VARS													
CALM												2.0	
	2.8	11.3	26.5	82.9	9.7	8.5	.8					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 762

1938

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	1.8	1.2								4.5	8.5
NNE	.1	.5	.8	.7								2.1	8.5
NE		.8	1.6	1.6	.1							4.1	9.7
NNE		1.6	3.9	1.8	.3							7.6	9.1
E	.3	1.2	1.6	1.3								4.3	8.2
ESE	.1	.3	.1	.1								.7	6.8
SE			.4									.4	8.3
SSE		.3	.8	.3								1.3	8.6
S	.1	1.0	1.4	2.1	.1	.4						5.2	10.5
SSW		.5	2.4	1.2	.3	.3	.1					4.7	11.2
SW		.5	2.6	7.5	3.4	.5						14.6	13.8
WSW		.3	3.1	8.3	2.5	1.2	.5	.1				16.0	14.7
W	.1	.7	3.4	7.1	2.2	.9						14.4	13.4
WNW	.1	.4	3.1	3.0	.9							7.6	11.6
NW	.1	1.6	2.8	2.9	.3							7.6	9.9
NNW	.1	.8	1.6	1.6	.3							4.3	10.3
VARB.													
CALM												.5	
	1.8	11.2	31.5	40.6	10.8	3.3	.7	.1				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 25287 NIAGARA FALLS NY STATION NAME 73-81 YEARS FEB 1980
CLASS ALL WEATHER 1800-2000 (GMT (L.S.T.))
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	.7	1.8								2.9	9.8
NNE	.3	.4	.7	.3								1.6	7.0
NE	.4	1.2	1.2	.9	.1							3.8	6.5
NNE	.5	2.5	2.4	2.5	.1							8.0	8.7
E	.7	2.2	1.8	1.8	.3							6.4	8.1
ESE	.1	.7	.5	.3								1.6	7.1
SE		.4	.8	.1								1.3	8.5
SSE		.8	.5		.1							1.9	7.5
S	.4	3.7	2.0	1.6	.4							8.0	8.0
SSW	.3	.5	1.8	1.3								3.9	9.8
SW	.1	1.3	5.6	6.2	.9	.8						15.0	11.6
WSW	.5	1.3	3.0	7.5	2.8	1.8	.1					16.3	13.8
W		1.3	3.3	5.8	2.2	.7						13.3	12.8
WNW	.3	1.2	1.6	1.8	.9	.1						5.9	11.0
NW	.1	1.2	.9	2.2	.5							5.0	11.3
NNW		.3	.9	2.6								3.8	11.5
VARIABLE													
CALM												1.8	
	3.7	19.7	27.7	36.0	8.0	3.0	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	1.6	1.3	.1	.1						4.2	10.1
NNE	.4	.1	.3	.8								1.6	9.5
NE	.4	.4	.4	.7	.1	.1						2.1	9.3
ENE	1.0	1.8	2.0	1.6	.1							6.6	7.8
E	.8	4.2	2.4	2.0								9.3	7.4
ESE	.3	1.0	.7									2.0	5.9
SE	.3		.9	.1								1.3	7.8
SSE	.1	1.7	.1	.1			.1					2.2	6.9
S	.7	3.8	2.5	.9	.1	.1	.1					8.3	7.7
SSW		.8	1.8	1.8	.9							4.9	10.8
SW	.1	.5	4.2	3.3	1.6	.3						10.0	12.1
WSW	.3	1.0	5.1	4.5	2.6	1.3	.4					15.2	13.3
W	.5	2.5	3.4	7.0	2.0	.3	.1					15.7	11.8
WNW	.1	.7	1.6	1.2	.8	.3						4.2	11.0
NW		.5	1.7	2.2	.8							4.9	11.2
NNW	.1	1.0	.9	2.2	.8							4.7	10.6
VARBL													
CALM												2.9	
	5.4	21.0	29.5	29.7	8.3	2.5	.8					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 STATION MIAGARA FALLS NY STATION NAME 73-81 YEARS FEB MONTH
ALL WEATHER CLASS ALL MONTH (L.E.V.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.8	1.5	1.7	.0	.0						8.8	9.6
NNE	.2	.3	.7	.6								1.9	8.6
NE	.2	.6	1.8	1.1	.1	.0						3.8	9.8
NNE	.6	1.5	1.9	1.6	.2							5.8	8.5
E	.7	2.5	2.3	2.0	.0							7.6	8.0
ESE	.1	1.0	.6	.2								1.8	6.6
SE	.1	.8	.5	.1								1.1	7.0
ESE	.1	.6	.5	.1	.1	.1	.0					1.5	8.5
S	.8	2.6	2.1	2.1	.3	.1	.0					7.7	8.9
SSW	.1	1.2	2.2	2.0	.5	.0	.0					6.0	10.3
SW	.2	.9	3.8	5.8	1.8	.5						1.8	12.3
WSW	.2	.8	3.1	6.3	2.0	1.0	.3	.0				13.7	13.7
W	.3	1.6	3.8	6.6	2.5	.5	.0					15.0	12.2
WNW	.2	1.1	2.0	1.9	.5	.2						5.9	10.8
NW	.2	1.0	1.7	2.6	.3	.0						5.8	10.6
NNW	.1	.8	1.2	1.7	.2	.0						8.1	10.2
VARBL													
CALM												2.6	
	8.0	17.7	29.0	36.0	7.7	2.6	.8	.0				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 6086

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

MAR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CORRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.5	1.8	1.1								3.1	9.3
NNE	.8	.6	.6	.6								2.6	6.8
NE	.4	1.2	1.1	.9								3.0	7.0
NNE	.4	1.7	1.8	1.2	.1							5.1	8.1
E	1.3	4.2	3.6	2.9	.4							11.8	7.7
ESE	.1	1.0	1.1	.1								2.3	6.3
SE	.4	.5										.8	4.3
SSE	.5	.4	1.0	.6								2.4	8.1
S	.6	3.3	3.0	2.3	.1	.1						9.4	8.9
SSW	.2	1.9	1.9	2.2	.1							6.3	8.8
SW	.1	1.2	5.6	3.2	.4	.1						10.6	9.9
WSW	.1	1.4	3.5	3.1	.7	.1						9.0	10.5
W	.4	2.5	3.3	4.8	.8	.2						11.8	10.5
WWW	.4	1.1	2.4	2.9	.6							7.5	10.6
NW	.1	.7	1.7	3.3	.2	.1						6.2	11.6
NNW	.4	.5	1.1	1.2	.2							3.3	9.6
VARIABLE													
CALM												4.5	
	6.2	22.8	13.0	29.0	3.7	.7						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 237

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

MAR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.7	1.7	1.3	.1							4.3	8.2
NNE		.5	.5									1.0	6.8
NE	.6	.8	.7	.8								2.5	6.6
NNE	.8	2.6	1.8	2.2	.1							7.5	8.1
E	.7	3.8	3.5	2.8								10.8	7.8
ESE		1.0	1.8	.8								2.7	7.5
SE	.1	.8	.8	.2								1.1	7.2
SSE	.2	1.2	.8	.6								2.9	7.6
S	.6	2.0	3.0	1.3								6.9	7.8
SSW	.8	1.9	2.6	2.6	.2							7.8	9.3
SW		2.5	8.3	3.9	.8	.2						11.8	10.0
WSW		1.8	2.9	2.6	.5	.1						7.5	10.6
W	.2	1.7	8.5	5.9	.8	.1						13.3	10.9
WWW	.6	1.7	1.0	2.2	.7							6.1	10.3
NW	.6	.6	1.2	1.9	.5							8.8	10.5
NNW	.1	1.1	1.1	2.0	.2							8.5	10.5
VARIABLE													
CALM												5.4	
	5.5	23.9	31.3	28.8	3.6	.5						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

837

7941

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.M.T.)

COMMENTS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	.6	1.9	.2							1.9	9.1
NNE	.8	.8	.8	.9								2.9	6.3
NE	.1	.5	.8	1.0		.1						2.5	10.0
NNE	.6	1.8	1.7	2.3	.1							6.5	8.7
E	.2	1.4	3.2	3.5	.1	.1						6.6	9.8
ESE	.4	1.4	.7	.6		.1						3.2	7.8
SE		.4	.5	.8								1.3	9.2
SSE	.5	1.0	.5	.6	.1							2.6	7.6
S	.4	2.4	3.6	1.7								8.0	8.0
SSW	.4	1.6	2.5	2.4	.1							6.9	9.1
SW	.2	2.5	3.6	5.6	.2	.2						12.4	10.3
WSW	.4	1.9	2.4	2.7	.6							8.0	9.8
W	.2	1.3	3.2	4.5	1.0							10.3	11.0
WWW	.4	1.0	1.6	3.2	.4	.2						6.7	11.9
NW	.5	1.3	1.1	3.2	.4	.2						6.9	11.0
NNW	.1	.8	.7	1.9	.1							3.2	10.1
VARS													
CALM												6.0	
	5.6	21.3	27.8	35.0	3.6	1.1						108.8	9.1

TOTAL NUMBER OF OBSERVATIONS

837

GLCRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
SECTION NAME

73-81
YEAR

MAR
MONTH

ALL WEATHER
STATION

0900-1100
TIME (L.M.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	24	%	MEAN WIND SPEED
N	.2	.5	.7	1.6		.1						3.1	10.8
NNE	.1	.8	.9	.6								1.9	7.6
NE	.8	.9	.8	1.8	.1							3.1	9.8
NNE	.5	1.6	1.8	3.3	.1	.1						7.9	9.8
E	.8	1.1	7.3	3.8	.2							7.8	10.8
ESE	.2		.7	.7								1.7	9.6
SE		.5	.8									1.3	7.1
ESE	.1	.8	1.8	.8	.1							3.1	9.3
S	.8	1.8	2.6	8.3	.8							9.8	10.2
SEW	.2	.7	1.9	2.6	.8							6.3	11.8
SE		1.8	2.9	6.3	1.8	.1						12.2	12.2
WSW	.1	1.0	2.5	8.9	.8	.8						9.6	12.1
W	.1	.1	2.2	8.3	1.1	.8						9.2	13.2
WSW		1.2	1.9	8.8	1.1	.1						9.1	12.8
NW	.2	.7	1.9	3.8	.7	.8						7.0	12.8
NNW	.8	1.8	1.1	1.7	.2	.2						5.8	9.3
VARS													
CALM												2.4	
	3.8	14.8	28.8	88.8	6.8	2.2						188.8	10.8

TOTAL NUMBER OF OBSERVATIONS 812

07942

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287

NIAGARA FALLS NY

73-81

MAR

ALL WEATHER

1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.5	1.9	.5	.1							3.1	8.5
NNE	.1	.9	1.3	.6								2.4	9.0
NE	.9	1.3	1.2	1.6	.1	.2						9.8	9.6
NNE		1.8	2.4	2.4	.9	.1						7.0	9.9
E	.1	1.3	2.5	2.7	.1							8.8	9.8
ESE		.1		.5								.6	11.2
SE	.2	.2	.4	.4								1.2	8.2
SSE		.6	.4	.6	.1							1.7	9.8
S	.5	1.0	2.0	4.9	.7							9.1	11.9
SSW	.1	1.1	1.1	2.6	.8	.4						6.1	11.9
SW		.8	1.8	7.4	1.9	.8						12.3	14.0
WSW		.5	1.3	5.3	1.6	.8	.1					9.6	13.8
W	.1	.7	1.4	8.8	1.6	.8		.1				11.6	13.9
WWW		1.2	2.3	5.3	1.6	.2						10.5	12.6
WNW	.1	1.0	1.8	9.1	.6	.4	.1					8.0	12.9
NNW	.1	.2	1.0	1.9	.4	.1						3.7	11.7
VARS													
CALM												1.6	
	1.9	12.7	22.7	47.8	9.8	1.9	.2	.1				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287

NIAGARA FALLS NY

73-81

MAR

ALL WEATHER

1500-1700
MST (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.6	2.8	.7	.1	.2						8.2	10.3
NNE		.7	2.5	.7								3.9	8.9
NE	.1	.5	2.2	1.8	.8	.1						5.0	10.7
NNE	.5	2.4	2.7	2.4	.8	.1						8.7	9.4
E	.2	1.2	2.3	1.7								5.8	9.1
ESE		.1	.8	.2								1.0	9.3
SE	.1	.2	.8	.2								1.0	8.3
ESE		.5	.2	.8	.1							1.7	10.6
S	.1	1.6	1.9	2.2	.1							5.9	9.6
SSE	.2	.8	2.2	2.3	1.0							6.2	11.3
SW	.1	.7	2.6	5.6	2.3	.8						11.7	13.2
WSW	.1	.8	1.7	6.6	1.8	.7	.2					11.9	18.0
W		.5	1.9	5.9	2.0	.7	.1					11.3	18.1
WWW		1.1	1.3	3.7	2.3	.8						9.2	18.0
NW	.2	1.0	2.0	8.2	1.8	.1						8.5	11.8
NNW	.1	.2	1.7	1.3	.7	.1						8.2	11.6
VARIABLE													
CALM												.5	
	2.0	12.8	28.6	88.8	12.3	2.3	.8					100.8	11.8

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287

NIABARA FALLS NY

73-81

MAR

ALL WEATHER

1800-2000
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.6	2.2	.7	.9	.2						5.7	8.3
NNE	.2	1.0	1.7	.1	.1							3.1	7.7
NE	.9	2.7	2.0	.5								5.6	7.0
NNE		3.1	2.7	1.7	.9							7.9	8.5
E	.1	1.9	2.2	1.6		.1						5.9	8.8
ENE	.1	.5	.9	.1								1.1	6.9
SE		.4	.9	.5								1.2	9.5
SSE	.2	.7	.8	.9								2.2	7.2
S	.1	2.5	3.1	1.7	.1							7.5	8.6
SSW		1.9	2.2	1.8	.1							6.0	9.1
SW		1.2	5.1	5.2	.6	.6		.1				13.9	11.1
WSW	.5	1.2	2.6	5.1	1.2	.2	.1					9.9	11.9
W	.1	1.2	1.9	5.1	1.7	.7	.1					10.9	13.5
WSW		.8	2.2	2.5	1.8	.8						8.6	13.0
W	.1	1.2	1.8	2.3	.6							5.1	10.9
WSW		1.0	1.3	1.8	.6	.1						5.9	11.1
VARIABLE													
CALM												1.6	
	2.6	22.5	11.7	20.4	7.5	2.2	.2	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 NIAGARA FALLS NY 73-81 MAR
STATION NAME YEAR
ALL WEATHER
CLASS
2100-2300
TIME (L.E.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.6	1.8	.6	.1							3.9	7.8
NNE	.5	.7	.7									1.9	5.9
NE	.8	1.2	1.6	.8								3.5	6.9
NNE	.5	2.2	1.8	1.8								5.9	7.8
E	.6	8.1	3.1	2.2	.8							10.3	8.2
ESE	.8	1.0	1.9	.1								3.3	7.0
SE		.7	.8	.2								1.3	6.9
ESE	.2	.8	.8	.5								2.8	7.1
S	.2	3.3	3.2	2.2	.8							9.3	8.6
SEW	.5	1.6	2.6	2.2	.2							7.0	9.1
SW	.2	2.0	8.1	3.1	.8	.1						10.2	9.7
WSW	.1	1.0	1.8	2.5	.8	.1						6.2	10.8
W	.8	1.7	3.8	8.8	1.9	.1	.1					12.8	11.6
WWW		1.8	3.0	2.0	1.0	.2						8.0	10.9
NW	.1	.8	1.6	2.6	.6	.8						6.1	11.7
NNW	.8	.8	1.1	2.3	.6							6.7	11.5
VARIABLE													
CALM												3.6	
	8.7	28.7	22.8	26.6	6.3	1.8	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 837

7964

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

MAR
MONTH

ALL WEATHER
CLASS

ALL
SOURCE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.9	1.5	1.0	.1	.1						3.9	9.0
NNE	.3	.7	1.1	.4	.0							2.5	7.5
NE	.3	1.1	1.3	.9	.1	.1						3.7	8.5
NNE	.4	2.1	2.1	2.1	.2	.0						7.0	8.9
E	.5	2.4	2.8	2.5	.1	.0						8.3	8.8
ESE	.1	.6	.9	.3		.0						2.0	7.6
SE	.1	.4	.4	.3								1.1	7.7
SSE	.2	.7	.7	.6	.1							2.9	8.3
S	.4	2.2	2.8	2.6	.2	.0						8.2	9.1
SSW	.3	1.4	2.1	2.4	.4	.0						6.6	10.0
SW	.1	1.6	3.7	5.1	.9	.3		.0				11.8	11.4
WSW	.2	1.1	2.3	4.0	.9	.3	.1					9.0	12.0
W	.2	1.2	2.8	5.3	1.4	.4	.0	.0				11.3	12.3
WNW	.2	1.3	1.9	3.8	1.2	.3						8.2	12.0
WW	.3	.9	1.5	3.1	.6	.2	.0					6.6	11.6
NNW	.3	.7	1.1	1.7	.4	.1						8.2	10.7
VARBL													
CALM												3.2	
	8.0	19.4	29.2	35.5	6.7	1.9	.1	.0				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.0	1.5	.5	.2							8.8	7.6
NNE	.1	.8	.9	.8	.2							2.0	9.7
NE	.1	.5	.6	.9	.1							2.2	9.9
NNE	.1	2.0	1.8	1.8	.8							5.2	8.8
E	.8	1.5	8.3	.7	.8							7.3	8.1
ESE		.9	1.2	.2								2.3	7.3
SE	.2	.5	.5									1.2	5.9
SSE	.2	1.0	.2									1.5	8.9
S	1.5	5.8	1.0	1.0								10.9	8.2
SSW	.6	3.6	2.6	1.8	.1	.1						8.8	7.7
SW	.8	8.0	3.2	2.0	1.0	.2	.1					10.9	9.8
WSW	.8	2.1	2.1	2.2	.5	.5						7.8	10.2
W		2.2	3.2	1.2	.8	.1						8.1	10.1
WNW	.8	1.5	2.0	2.0	.7							6.5	9.8
NW	.1	2.1	2.6	1.2		.8						8.8	8.0
NNW	.2	1.7	2.6	1.8	.8	.1						6.8	9.2
VARB.													
CALM	X	X	X	X	X	X	X	X	X	X	X	7.4	
	5.1	31.2	31.8	18.8	8.8	1.5	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 810

7945

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.G.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	1.2	1.2	.8							5.4	8.2
NNE	.4	.7	1.2	.2								2.6	7.5
NE	.4	.4	1.1	.9	.1							2.8	9.2
ENE	.7	2.1	1.6	1.0	.1							5.6	7.3
E	.5	3.0	3.6	.7	.1							7.9	7.3
ESE	.2	.7	.9	.9								1.7	6.6
SE	.4	.1	.1									.6	4.8
SSE	.6	1.9	.9	.1								3.0	5.0
S	1.1	9.6	1.7	1.1	.1							8.6	6.6
SSW	.2	9.0	2.7	1.9								8.8	7.5
SW	.6	2.7	3.5	2.3	.7		.1					10.0	9.5
WSW	1.1	1.0	2.7	1.9	.7	.2						7.7	9.9
W	.1	2.1	2.5	2.3	.9		.1	.1				7.7	10.2
WWW	.5	1.5	2.6	2.5	.5	.1						7.7	9.8
WSW	.2	2.5	1.5	2.2	.2	.9						7.0	9.8
WSW		.7	1.6	1.6	.6							9.6	11.0
VARL													
CALM												8.4	
	8.1	29.5	28.8	20.9	8.1	.7	.2	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725267 STATION NIAGARA FALLS NY 73-81 YEARS APR MONTH
ALL WEATHER CLASS 3600-3800 SPEED (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	1.2	1.6	.4							4.8	9.8
NNE	.1	1.9	1.1	.2								3.3	7.1
NE	.2	1.2	1.6	1.6								4.7	9.2
ENE	.1	1.4	2.1	1.4								4.9	8.9
E	1.4	2.3	3.0	1.5	.4							8.5	7.8
ESE	.5	1.6	.6									2.7	5.1
SE	.2	1.0	.4									1.6	5.3
SSE	.2	1.2	.6	.1								2.2	5.7
S	1.1	2.3	2.7	1.2	.1							7.5	7.5
SSW	.4	2.0	4.2	2.2	.2							9.0	8.8
SW	.1	2.2	4.8	3.5	.1	.2	.1					11.1	10.2
WSW	.1	1.8	2.2	2.8	.6	.1	.5					7.8	12.1
W	.5	1.2	1.9	2.2	.4							6.2	9.8
WNW	.1	1.0	2.6	2.7	.6	.1						7.2	11.1
NW	.4	1.0	1.6	2.3	.7	.4						6.4	11.8
NNW	.5	.5	1.7	3.0								5.7	10.7
VARBL													
CALM												6.3	
	6.3	23.6	32.3	26.4	3.6	.9	.6					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

125287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	1.4	2.0	.1							4.4	9.9
NNE		1.0	.4	1.2								2.6	9.2
NE	.2	.5	1.2	2.3								4.3	10.3
ENE	.1	.2	2.3	1.5	.1	.4						4.7	11.2
E	.1	1.2	4.7	2.6	.1							8.8	9.2
ESE	.1	1.4	1.0	.5	.1							3.1	7.6
SE	.1	.9	.6									1.6	6.0
SSE	.1	.6	1.2	.2								2.2	7.3
S	.1	1.4	2.2	2.5								6.2	9.3
SSW	.1	1.1	2.7	3.6	.5							8.0	10.6
SW	.2	1.1	3.8	6.9	1.1	.1	.4					13.7	12.4
WSW		.9	1.6	4.3	.4	.5	.6					8.3	13.6
W	.1	.7	1.7	2.3	.9	.1	.1					6.0	11.9
WNW	.5	.7	1.5	4.4	.7	.2						8.1	11.6
NW	.4	1.0	2.1	5.8	1.0	.5						10.7	12.2
NNW	.1	1.1	1.2	4.0	.1							6.5	10.9
VARBL													
CALM												.6	
	2.6	18.7	29.8	48.2	5.2	1.9	1.1					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

APR
MONTH

ALL WEATHER
CLASS

1200-1800
HOURS (L.S.T.)

ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.6	3.0	2.3								5.9	9.9
NNE	.1	.6	.9	.6	.1							2.3	9.0
NE		.1	1.0	1.7	.2							3.1	12.0
ENE	.1	.9	1.1	1.6	.6	.4						4.7	11.8
E	.1	1.1	2.8	2.3	.1							6.5	9.7
ESE	.1	.7	.6	.9								2.3	8.5
SE		.4		.4								.7	8.2
SSE	.1	.5	.7	.1	.2							1.7	8.9
S	.1	.4	1.7	1.9	.1							4.2	10.7
SSW	.1	.6	1.9	4.0	.5	.2						7.3	12.0
SW		1.0	4.2	6.9	2.5	.7						15.3	13.2
WSW	.1	.2	2.6	4.2	.6	.6	.2					8.6	13.7
W	.1	.4	1.2	2.5	.2	.2	.1					4.8	12.7
WNW		.5	2.8	6.3	1.8	.8						11.8	12.8
NW	.2	1.0	4.0	7.3	1.1	.6						14.2	12.3
NNW	.2	.7	2.6	2.5	.1							6.2	10.1
VARB													
CALM												.6	
	1.6	9.8	11.1	45.8	7.9	3.2	.4					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATD WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	2.7	1.4								5.4	8.7
NNE	.2	1.2	1.2	.7	.2							3.7	8.4
NE		.6	1.7	2.0	.4							4.7	10.4
ENE		.5	2.2	3.8	.2	.4						7.2	12.1
E	.1	.4	2.0	2.0								4.4	10.3
ESE	.1	.4	.7	.5								1.7	8.5
SE		.1	.4	.4								.9	10.0
SSE		.1	.1									.2	6.0
S	.2	.4	.4	1.7	.5							3.2	11.7
SSW		1.1	2.2	3.3	.1							6.8	10.7
SW		1.2	4.1	8.3	2.7	.6	.1					17.0	13.0
WSW		.7	3.2	5.3	1.0	.5	.2					11.0	12.8
W	.2	1.2	1.4	1.6	1.1	.6						6.2	12.5
WNW		1.1	1.5	6.3	1.1	.1	.1					10.2	12.7
NW		.7	3.5	6.0	.4	.5	.2					11.4	12.5
NNW	.2	.2	1.6	3.0	.4	.1						5.6	11.9
VARB.													
CALM												.4	
	1.6	11.1	28.9	46.3	8.1	2.8	.7					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.1	1.9	1.9								6.3	8.2
NNE		.7	1.7	.5								3.0	8.5
NE	.4	1.6	1.4	.4	.4							4.1	8.1
ENE	.2	.5	2.3	2.5	.5	.1						6.2	10.6
E	.2	1.4	3.5	2.1								7.2	8.9
ESE	.1	.6	.6	.6								2.0	9.1
SE	.2	.4	.5	.7								1.9	8.7
SSE	.1	.4										.5	8.5
S	.2	2.3	2.2	1.5	.2							6.5	8.7
SSW	.2	1.9	3.5	3.3	.1							9.0	9.6
SW	.2	3.2	6.8	5.7	.2	.1						16.3	9.9
WSW	.2	2.0	3.8	2.8	1.0	.4						10.2	10.7
W		1.0	1.4	1.7	.7	.4						5.2	12.0
WWW		1.0	1.4	3.5	.5	.2						6.8	11.6
NW	.1	1.2	3.8	3.6	.4	.1	.4					9.9	11.1
NNW		.5	1.2	1.4	.2							3.6	11.2
VARL													
CALM												1.5	
	1.0	20.7	36.2	32.3	4.6	1.4	.4					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287

NIAGARA FALLS NY

73-81

APR

ALL WEATHER

2100-2300

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.1	1.6	1.1	.1							5.3	7.8
NNE	.1	1.2	1.0	.1	.1	.1						2.7	8.3
NE		.7	.4	.4	.4							1.9	9.7
NNE		1.6	1.7	1.1	.2	.1						4.8	9.4
E	.4	1.4	3.5	2.7	.1							8.0	9.5
ESE	.2	1.9	1.2	.2								3.1	6.9
SE	.2	.7		.5								1.5	7.8
ESE	.4	1.2	.1	.4								2.1	6.1
S	1.7	5.3	2.8	1.6	.4							11.9	6.9
SSW	.4	3.6	1.7	1.7		.1						7.5	7.9
SW	.6	4.2	5.7	2.7	.1	.1						13.5	8.2
WSW	.1	1.9	2.2	2.0	.9	.1	.2					7.8	10.9
W	.2	1.2	1.9	2.1	.4	.4	.1					6.3	10.9
WW	.1	1.7	2.2	2.5	.1							6.7	9.9
NW	.2	1.0	3.1	2.7	.5	.2	.1					7.9	10.9
NNW	.2	1.0	1.6	1.6	.6							5.1	9.9
VARL													
CALM												4.4	
	5.4	30.2	30.7	23.5	8.0	1.2	.5					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 NIAGARA FALLS NY 73-81 APR
STATION NAME DATE
ALL WEATHER ALL
CLASS (I.C.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.5	1.8	1.5	.2							5.3	8.7
NNE	.1	1.0	1.0	.5	.1	.0						2.8	8.8
NE	.2	.7	1.1	1.3	.2							3.5	9.8
NNE	.2	1.1	1.9	1.8	.3	.2						5.8	10.1
E	.4	1.5	3.8	1.8	.2							7.3	8.7
ESE	.2	1.0	.8	.8	.0							2.8	7.8
SE	.2	.5	.3	.2								1.2	7.0
SSE	.2	.9	.8	.1	.0							1.7	6.2
S	.8	2.8	2.1	1.6	.2							7.8	7.8
SSW	.3	2.2	2.7	2.7	.2	.1						8.1	9.3
SW	.3	2.5	8.5	8.8	1.1	.3	.1					13.5	10.9
WSW	.3	1.3	2.6	3.2	.7	.8	.2					8.6	11.8
W	.2	1.3	1.9	2.3	.6	.2	.1	.0				6.8	11.1
WNW	.2	1.1	2.1	3.8	.7	.2	.0					8.1	11.8
SW	.2	1.3	2.8	3.9	.6	.8	.1					9.2	11.8
WSW	.2	.8	1.8	2.3	.3	.0						5.8	10.6
VARIABLE													
CALM												3.7	
	4.3	21.8	31.2	32.1	5.2	1.7	.5	.0				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 6480

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287

NIAGARA FALLS NY

73-81

MAY

ALL WEATHER

0000-0200

MOON (C.E.V.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥60	%	MEAN WIND SPEED
N	.2	2.5	.4	.4	.1							3.6	6.4
NNE	.1	1.4	.4									1.9	5.0
NE	.4	.8	.7	.4								2.3	6.7
NNE	.6	2.0	.5	.2	.2							3.6	6.5
E	1.4	3.6	2.6	1.2								8.8	6.5
ESE	.7	1.1	1.2	.1								3.1	5.8
SE	.5	.8	1.0	.2								2.5	6.3
ESE	.7	1.0	.8									2.5	5.1
S	1.8	6.7	3.9	.7								13.1	6.1
SSW	1.6	4.5	3.0	1.0	.1							10.2	6.6
SW	.8	3.3	3.7	1.0		.1						9.0	7.3
WSW	.6	2.7	3.1	.8	.4	.1						7.8	7.6
W	.6	3.3	1.3	1.2								6.5	7.2
WNW	.4	1.9	2.0	1.3	.2							5.9	8.5
W	.5	2.6	1.8	1.1								6.0	7.3
WNW	.1	1.7	1.8	.8	.1							4.2	7.5
VARBL													
CALM												9.6	
	11.0	80.1	28.2	9.7	1.2	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725287

NIAGARA FALLS NY

73-81

MAY

ALL WEATHER

0300-0500

LOCAL (L.S.T.)

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.5	1.2	.7	.2							5.1	7.1
NNE	.2	.8	.7	.8								2.2	7.1
NE	.1	2.0	.7	.2	.1							3.2	6.9
ENE	.6	1.1	.2	.5								4.8	5.5
E	1.3	8.3	2.2	.2								8.0	5.7
ESE	.7	1.8	1.8									4.3	5.8
SE	.7	1.2	1.0									2.9	5.8
SSE	.1	1.1	.8									1.6	5.6
S	1.1	8.5	3.8	.8								10.3	6.4
SSW	1.8	5.6	3.2	1.3								11.6	6.5
SW	.6	1.1	2.7	1.9								8.1	7.9
WSW	.8	2.9	1.8	.8		.2						6.1	7.5
W	.5	1.2	2.8	2.2								8.8	7.8
WNW	.8	1.7	1.9	1.0								8.9	7.6
NW	.5	.6	1.9	1.1								8.1	8.8
NNW	.2	1.2	.7	.6								2.7	7.5
VALE													
CALM												12.2	
	9.1	39.7	26.8	11.7	.8	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.2	1.4	1.0	.8							3.9	9.8
NNE	.1	.8	1.1	.8								2.6	7.8
NW	.1	1.3	1.4	.7	.1							3.7	8.2
NNE	.5	1.3	1.3	1.2								4.3	8.0
E	1.2	4.1	2.5	.7								8.5	6.3
ESE	.9	1.7	2.3	.9								4.7	7.1
SE	.4	1.1	.8	.5								2.7	6.9
SSE	.8	1.0	.1	.1								2.0	6.5
S	1.1	4.1	4.5	1.9	.1							11.7	7.5
SSW	.2	3.8	4.2	2.3	.2	.1						10.9	8.9
SW	.8	4.5	3.3	2.5	.1							11.8	7.8
WSW	.2	3.3	1.9	1.6	.2							7.3	7.8
W	.1	2.0	1.9	2.9	.2							7.2	9.6
WWW	.1	1.8	2.4	1.0								4.3	8.2
NW		1.4	1.4	1.8	.2							4.9	9.7
NNW	.2	.7	1.1	1.0								3.0	8.4
VARBL													
CALM												6.3	
	6.3	33.8	31.8	20.0	1.7	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.A.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.6	1.6	1.0	.2	.2						8.8	9.1
NNE	.1	.2	1.7	.6								2.6	9.2
NE	.2	1.0	1.9	1.0								9.1	8.7
NNE	.2	1.4	1.8	1.2								9.7	8.1
E	.6	1.4	3.1	1.7								8.8	8.2
ESE	.2	1.2	1.1	1.1								3.6	8.2
SE	.4	.8	.7	.7								2.6	7.6
SSE	.1	1.1	.8	.8								2.8	7.7
S	.4	2.0	4.1	1.9	.2							8.6	8.8
SSW	.6	2.2	4.8	2.6	.8	.1	.2					10.5	9.6
SW	.4	3.9	3.2	5.6	1.0	.1						18.2	10.1
WSW	.7	1.6	1.8	3.2	.8							7.6	9.9
W	.4	1.4	1.1	3.7	.7							7.3	11.0
WWW	.5	2.2	1.8	2.8	.1	.2						7.2	9.3
NW	.2	1.9	2.7	1.8	.8	.1						7.2	9.8
NNW	.4	1.2	2.0	1.1								8.7	8.3
VARBL													
CALM												1.2	
	5.6	38.1	13.8	38.8	3.3	.8	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

832

7951

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.0	1.4	1.1	.1							4.7	8.3
NNE	.2	1.1	2.3	.6								4.2	7.9
NE		.5	1.8	2.3	.1							4.7	10.7
NNE		1.1	1.4	2.0	.1							4.7	9.9
E	.1	.8	2.2	1.0		.1						4.2	9.1
ESE	.1	.7	.8	.6								2.3	8.0
SE		1.0	.6	.1								1.7	7.1
SSE	.1	1.1	.8	.6								2.6	7.5
S	.5	1.6	3.1	2.2								7.3	8.9
SSW	.2	.7	3.3	3.5	.8	.1		.1				8.8	11.2
SW	.4	2.5	5.1	7.9	1.7		.1	.1				17.8	11.5
WSW		1.7	1.9	4.3	.7							8.6	11.3
W	.1	1.4	1.8	1.9	.2							5.5	9.9
WNW	.2	1.4	2.3	3.0	.5	.1						7.5	10.3
NW	.7	1.9	3.3	2.6	.6	.1	.2					9.6	10.0
NNW	.2	1.4	2.0	1.4	.2							5.8	9.0
VARBL													
CALM												.6	
	3.0	20.9	34.3	35.0	5.1	.5	.8	.2				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287 STATION 73-81 MAY
STATION NAME YEARS
ALL WEATHER
CLASS
1500-1700
GROUP (L.A.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.6	3.5	1.2	.8							6.7	9.0
NNE		.8	2.5	1.6								4.9	9.3
NE		1.1	3.0	2.2								6.2	9.3
NNE		1.2	1.7	2.5	.1							5.5	10.1
E	.1	.8	2.4	.8								4.2	8.9
ESE	.4	.8	.6	.6								1.9	8.3
SE		.1	.8	.1								.6	8.0
SSE		.2	.6	.2								1.1	8.4
S		.8	1.8	1.3								3.9	9.4
SSW		1.1	2.9	2.9	.1							6.9	10.0
SW	.4	1.8	5.3	9.6	2.0	.4	.2	.1				19.7	12.2
WSW		1.4	3.6	4.7	1.2	.1						11.0	11.5
W	.1	1.4	1.8	2.4	.4							6.1	10.1
WNW	.1	1.1	1.8	2.6	.4							5.6	10.4
NW		2.6	2.6	2.6	.1	.1						8.1	9.2
NNW	.1	2.2	2.4	1.3	.4		.1					6.5	9.0
VARIABLE													
CALM												1.1	
	1.3	18.6	36.3	36.6	8.0	.6	.4	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 STATION 725287 NIAGARA FALLS NY STATION NAME 73-81 YEARS MAY MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.0	2.3	.7	.1							5.6	7.7
NNE		1.1	1.4	.2								2.7	7.2
NE		2.5	3.2	.8								6.6	7.6
ENE	.2	2.3	3.6	1.3	.4							7.8	8.7
E	.1	2.5	2.2	1.3								6.1	7.7
ESE	.4	1.0	.6	.4								2.3	6.8
SE	.1	.6	.4	.1								1.2	6.5
SSE	.1	.8	.7	.2								1.9	7.1
S	.1	3.2	1.9	2.2	.1							7.5	8.3
SSW	.1	3.2	4.4	1.3		.2						9.3	8.2
SW		3.5	9.3	4.3	.2		.1					17.4	9.3
WSW	.1	1.2	4.7	3.1	.5							9.6	9.9
W	.1	1.2	1.9	1.4	.4							5.0	9.8
WNW	.2	1.1	1.9	1.9	.2							4.9	9.3
NW	.1	1.7	2.4	1.7								5.9	8.8
NNW	.4	1.4	1.8	1.1		.1						4.8	8.5
VARBL													
CALM												1.4	
	2.6	29.3	42.7	21.6	1.9	.4	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

75287 STATION NIAGARA FALLS NY 73-81 YEARS MAY
2100-2300
MOON (L.V.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.1	1.2	.6		.1						5.1	7.2
NNE	.5	.5	.6			.1						1.7	6.8
NE	.1	.4	.4									.8	6.8
ENE	.2	2.4	.6	1.3								4.5	7.6
E	.8	4.3	2.9	1.6								9.6	6.9
ESE	.1	.6	.8									1.6	7.0
SE	.4	1.2	1.2	.4								3.1	6.8
SSE	.6	1.1	.8	.1								2.6	6.1
S	2.7	8.5	3.2	1.6								15.3	6.7
SSW	1.6	4.1	2.3	1.1								9.0	6.4
SW	.7	5.5	4.8	1.3	.2	.4						12.5	7.7
WSW	.6	2.0	3.3	1.2	.1							7.3	7.8
W	.4	1.7	1.6	1.8	.4							5.4	8.9
WNW	.7	1.7	1.4	.7	.1							4.7	7.4
NW	.2	2.5	2.6	1.0								6.3	7.6
NNW	.6	1.9	1.4	.6	.1	.1						4.8	7.6
VARBL													
CALM												5.7	
	9.7	41.3	28.8	12.8	1.0	.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

705207
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
WINDS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.2	2.1	1.6	.8	.2	.0						4.9	6.1
NNE	.2	.9	1.3	.5		.0						2.9	7.9
NE	.1	1.2	1.6	.9	.0							3.9	8.4
NNE	.3	1.9	1.4	1.3	.1							4.9	8.2
E	.7	2.7	2.5	1.1		.0						7.0	7.1
ESE	.4	1.0	1.1	.4								3.0	7.0
SE	.3	.9	.7	.3								2.2	6.7
SSE	.3	.9	.6	.2								2.1	6.4
S	.9	3.9	3.3	1.6	.1							9.7	7.3
SSW	.7	3.2	3.5	2.0	.2	.1	.0	.0				9.6	8.2
SW	.5	3.5	4.6	4.3	.7	.1	.1	.0				13.8	9.7
WSW	.3	2.1	2.8	2.4	.4	.1						8.1	9.4
W	.3	2.0	1.7	2.1	.3							6.4	9.3
WNW	.3	1.6	1.9	1.7	.2	.0						5.7	9.0
NW	.3	1.9	2.4	1.7	.2	.0	.0					6.5	8.9
NNW	.3	1.5	1.7	.9	.1	.0	.0					4.5	8.3
VARBL													
CALM												4.8	
	6.1	31.1	32.8	22.1	2.4	.4	.1	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 025287 STATION NAME NIAGARA FALLS NY YEAR 73-81 MONTHS JUN

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.8	1.7	.1								5.7	5.6
NNE	.1	.5	.8	.2								1.2	6.5
NE	.4	.5	.8	.8								1.6	7.2
ENE	1.0	1.7										2.7	3.8
E	1.7	2.7	1.2									5.7	4.8
ESE	.2	1.7	.6									2.6	5.5
SE	.1	1.1	.5	.1								1.9	6.3
SSE	.4	1.2	1.1	.1								2.8	6.0
S	2.1	8.3	7.2	1.4								18.9	6.5
SSW	.9	3.8	4.6	1.5	.2							11.0	7.6
SW	1.7	3.6	4.9	1.1	.2							11.6	7.2
WSW	.9	1.9	2.5	.9								6.0	7.5
W	.9	2.6	2.0	.6								6.0	6.5
WNW	.5	2.0	2.0	.7								5.2	7.0
NW	.2	.7	1.4	.7								3.1	8.2
NNW	.2	.9	.7	.2								2.1	7.1
VARBL													
CALM												11.9	
	12.3	36.0	31.1	8.1	.5							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	1.2									4.0	5.7
NNE	.4	.6	.5									1.5	5.2
NE	.2	1.2	.2	.5								2.2	6.9
ENE	1.4	2.5		.2								4.1	4.7
E	2.1	3.0	.5	.1								5.7	4.4
ESE	.6	1.4	.1	.1								2.2	5.1
SE		1.0	.6	.1								1.7	6.8
SSE	.4	1.1	.4									1.9	5.1
S	1.6	7.2	6.7	.6								16.0	6.4
SSW	.9	4.2	4.3	1.2	.1							10.7	7.3
SW	1.2	4.2	4.7	2.3	.1							12.6	7.6
WSW	.9	2.3	1.7	1.5	.1							6.5	7.7
W	1.2	3.1	1.9	2.1								8.3	7.4
WNW	.4	1.9	1.1	.6								4.0	7.0
NW	.2	1.6	2.0	.4								4.2	6.9
NNW	.5	.7	1.4	.4								3.0	7.2
VARBL													
CALM												11.5	
	12.5	38.1	27.3	10.2	.8							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY

STATION NAME

73-81

YEARS

JUN

MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CORRECTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.5	.7	.1							4.0	7.7
NNE	.1	.5	1.0									1.6	7.0
NE		.4	1.0	.5								1.9	8.8
ENE	.7	1.5	.6	.7								3.6	6.8
E	1.4	1.6	1.2	.5								4.7	5.9
ESE	.5	1.1	1.1									2.7	5.8
SE		1.1	.5									1.6	6.1
SSE	.2	1.5	1.0	.1								2.8	6.5
S	.9	5.1	6.5	1.8								13.8	7.3
SSW	.7	3.0	6.9	2.7	.1							13.5	8.2
SW	.6	3.1	5.2	8.9	.2							18.1	9.5
WSW	.9	2.8	2.5	1.9	.1							8.1	8.0
W	.4	1.2	2.2	1.7								5.6	8.9
WNW	.2	2.7	2.8	1.1								6.9	7.7
NW		.9	2.2	.9	.1							4.1	8.8
NNW	.1	.9	2.0	.9								3.8	8.5
VARBL													
CALM												7.3	
	7.3	28.8	36.3	16.0	.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.A.T.)

CRUISE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	1.5	.9								4.0	7.5
NNE		.4	1.1	.2								1.7	8.6
NE	.1	.4	1.2	.7								2.5	9.0
ENE	.4	.5	2.2	1.0								4.1	8.6
E	.1	1.9	2.2	.7								4.9	7.7
ESE	.1	.9	.8	.1								1.5	6.6
SE	.2	1.0	.1									1.4	5.3
SSE		.7	1.1									1.9	6.8
S	.2	1.5	4.6	2.2								8.5	8.7
SSW	.2	2.2	4.4	5.6	.2							12.7	10.0
SW	.5	2.0	7.7	10.7	.7	.1						21.7	10.9
WSW	.2	2.5	3.1	3.6	.5							9.9	9.7
W	.1	.7	1.5	2.1	.1							4.6	9.9
WNW	.1	1.9	1.7	2.3								6.0	9.2
NW	.2	1.5	4.0	2.5	.2							8.4	9.8
NNW	.2	1.4	2.6	.7								4.9	7.9
VARBL													
CALM												1.4	
	3.6	20.2	39.8	33.5	1.9	.1						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 STATION NIAGARA FALLS NY 73-81 YEAR JUN 1200-1800 HOURS (L.S.T.)
ALL WEATHER CLASS
ORIGIN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	1.9	1.6								5.3	8.3
NNE	.1	.6	.5	.2								1.5	7.8
NE	.1	.6	3.0	.9								4.6	9.0
NNE		.8	1.5	1.6								3.5	10.7
E		1.9	1.6	.2	.1							3.8	7.3
ESE		.5	.9									1.4	7.8
SE		.5	.7									1.2	7.3
SSE		.5	.2									.7	6.5
S	.1	.9	2.8	1.9								5.7	9.5
SSW	.1	.5	6.8	8.9	.2							12.2	10.8
SW	.8	2.0	5.3	13.0	1.1	.2						22.0	11.7
WSW	.5	1.2	3.6	8.9	1.2	.1						11.6	11.1
W	.2	.7	2.2	2.0	.8							5.6	10.2
WNW		1.1	2.7	3.2	.2							7.3	10.3
NW		1.0	4.1	2.5								7.5	9.7
NNW	.1	.7	3.3	1.8								5.6	9.1
VARB													
CALM												.6	
	1.7	14.9	40.7	38.3	3.3	.8						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.G.T.)

COMPUTED

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	2.3	1.1								4.4	8.9
NNE	.2	1.2	1.6	.7								3.8	7.6
NE	.1	.4	2.3	2.1	.1							5.1	10.0
NNE	.1	.4	2.0	1.2								3.7	9.7
E		1.4	1.0	.4								2.7	7.8
ESE		.2	.7									1.0	7.6
SE		.1	.2									.4	6.7
SSE	.1	.4	.4									.9	6.9
S	.2	1.5	3.3	1.2								6.3	8.9
SSW	.1	1.7	4.2	3.3								9.4	9.6
SW	.5	1.9	8.5	13.1	1.6							25.6	11.0
WSW	.2	1.1	4.6	4.3	.9	.1						13.2	11.1
W		.9	1.1	2.0	.1	.2						3.8	12.2
WNW	.1	.9	2.6	2.5	.4							6.5	10.6
NW		1.0	2.6	3.8	.4							7.8	10.8
NNW		.6	3.0	1.1	.2							4.9	9.6
VARS.													
CALM												.6	
	1.9	14.1	40.5	38.9	3.7	.8						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

ORIGINATOR

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	2.8	.5								5.1	7.8
NNE	.2	1.8	1.0	.1								2.7	8.3
NE	.1	1.6	1.8	.7								3.8	7.3
NNE	.8	3.3	2.5	.5								6.7	6.7
E	.6	1.9	2.2	.8								5.3	7.0
ESE		.5	.8	.1								1.0	7.3
SE	.1	.7	.7	.1								1.7	7.1
SSE		.7	1.1	.8								2.2	7.9
S	.2	2.5	3.7	.7								7.2	7.6
SSW	.8	3.0	7.5	1.6		.1						12.6	8.8
SW	1.1	8.3	12.2	8.8								22.1	8.8
WSW	.8	1.7	8.3	2.5	.1	.1						9.1	9.8
W	.2	.7	1.8	1.8	.1	.1						8.0	10.0
WNW		1.0	1.9	2.1	.1							5.1	10.1
NW	.8	1.5	2.1	1.1	.2	.1						5.8	8.8
NNW	.1	1.1	1.9	1.1								8.2	8.6
VARB													
CALM												1.9	
	4.7	27.7	47.0	18.0	.6	.5						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.A.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.7	1.2	.2								4.6	5.9
NNE	.1	1.2	.4									1.7	5.7
NE	.4	.9	.6									1.9	5.5
ENE	1.1	2.6	.2									4.0	4.2
E	1.1	3.2	1.5	.2								6.0	5.5
ESE	.1	1.4	.9									2.3	6.8
SE	.1	1.1	1.5	.4								3.1	7.2
SSE		1.6	1.5	.4								3.5	7.2
S	1.2	10.1	5.2	.9								17.8	6.2
SSW	.6	4.2	3.3	1.2								9.4	7.1
SW	1.0	5.3	5.8	1.0								13.1	6.9
WSW	1.0	2.8	2.6	.9								7.3	6.9
W	.6	2.3	2.0	.9	.1							5.9	7.5
WNW	.4	2.3	2.2	.7	.1							5.8	7.7
NW	.1	1.6	1.5	.5								3.7	7.6
NNW	.1	.5	.5	1.0								2.1	9.1
VARB													
CALM												8.3	
	8.8	48.0	30.9	8.3	.2							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY

STATION NAME

73-81

YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
WINDS (L.A.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	1.8	.6	.0							4.6	7.1
NNE	.2	.8	.8	.2								2.0	6.9
NE	.2	.7	1.3	.7	.0							2.9	8.3
ENE	.6	1.6	1.1	.7								4.0	6.9
E	.9	2.2	1.8	.8	.0							4.9	6.1
ESE	.2	1.0	.6	.0								1.8	6.2
SE	.1	.8	.6	.1								1.6	6.7
SSE	.1	1.0	.8	.1								2.1	6.6
S	.8	8.6	5.0	1.3								11.7	7.1
SSW	.5	2.8	5.2	2.8	.1	.0						11.4	8.6
SW	.9	3.3	6.8	6.3	.5	.0						17.8	9.5
WSW	.6	2.1	3.1	2.8	.8	.0						9.0	9.3
W	.5	1.5	1.8	1.6	.1	.0						5.5	8.7
WNW	.2	1.7	2.1	1.7	.1							5.8	8.8
NW	.2	1.2	2.5	1.5	.1	.0						5.5	9.1
NNW	.2	.8	1.9	.8	.0							3.8	8.5
VARIABLE													
CALM												5.4	
	6.5	27.9	36.8	21.7	1.4	.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

6880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.6	1.7	.9								6.2	5.8
NNE	.2	.7	.6	.1								1.7	6.2
NE	.5	.5	.5									1.4	5.3
ENE	1.4	1.8	.4	.2								3.8	4.7
E	1.4	3.3	1.0	.1								5.9	5.0
ESE	1.0	1.6	.1									2.6	4.4
SE	.1	.7	.4									1.2	5.9
SSE	.4	1.2	.6	.2								2.4	6.1
S	1.8	7.6	4.1	.2	.1							13.9	6.0
SSW	1.2	4.3	3.7	1.1								10.3	6.7
SW	.8	5.4	6.1	1.3	.2							13.9	7.3
WSW	.2	2.3	3.2	1.4	.1							7.3	8.3
W	1.0	3.7	2.9	1.0								8.5	6.5
WNW	.4	2.3	1.4	.5								4.5	6.3
NW	.1	1.3	.6	1.0								3.0	8.4
NNW	.4	1.0	.7	.1								2.2	6.2
VARBL													
CALM												11.4	
	11.5	41.2	27.8	7.6	.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287 STATION NIAGARA FALLS NY 73-81 YEARS JULI
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	1.6									5.3	5.5
NNE	.6	.6	.7									1.9	5.7
NE	.1	1.0	.4	.1								1.6	5.8
ENE	1.7	1.3	.1	.4								3.5	4.7
E	1.6	2.7	1.6	.1								6.0	5.4
ESE	1.1	.8	.2									2.2	4.1
SE	.4	.6	.2									1.2	4.8
SSE	.2	1.9	.6	.1								2.9	5.7
S	1.9	7.3	6.0	.8								16.0	6.2
SSW	.7	3.9	2.4	1.1								8.1	6.6
SW	.7	4.8	4.4	2.3	.1							12.3	7.7
WSW	.7	2.7	3.1	.7	.1							7.4	7.4
W	.8	5.0	1.3	1.0								8.1	6.0
WNW	.2	1.9	1.0	.6								3.7	7.5
NW	.2	2.4	.2	.1	.1							3.1	5.6
NNW	.1	1.3	.8									2.3	6.6
VARBL													
CALM												14.6	
	12.1	41.1	24.6	7.3	.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287 STATION 725287 NIAGARA FALLS NY STATION NAME 73-81 YEARS JUL MONTHS 0600-0800 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.5	1.0	.7								4.5	6.9
NNE	.1	.5	1.1	.1								1.8	8.1
NE	.4	.1	.6	.2								1.3	7.1
ENE	.2	1.4	.7	.1								2.5	5.7
E	1.2	1.3	2.2	.4								5.0	6.4
ESE	.8	.7	.6	.4								2.5	6.1
SE	.2	1.2	.1	.1								1.7	5.4
SSE	.1	2.9	.2	.1								3.3	5.5
S	1.4	4.8	5.5	1.3								13.0	6.8
SSW	.7	2.9	6.2	1.7								11.5	7.9
SW	.7	3.2	7.5	2.7	.1							14.3	6.2
WSW	.8	3.5	3.1	2.5								9.9	8.1
W	.8	2.5	3.1	1.3								7.8	7.6
WNW	.2	2.2	1.7	.6								4.7	7.2
NW	.1	1.8	1.9	1.4	.2							5.5	8.6
NNW	.1	.8	.7	.2								1.9	7.1
VARBL													
CALM												6.7	
	8.5	32.3	36.2	14.0	.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 837

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

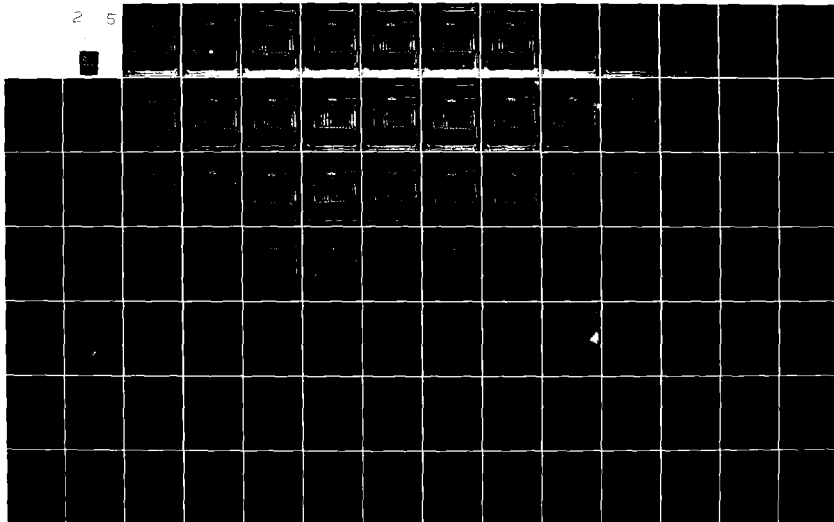
125267 STATION NAME NIAGARA FALLS, NY 73-81 YEARS JUL 1977-1980 (L.E.V.)
ALL WEATHER CLASS
CONDITION

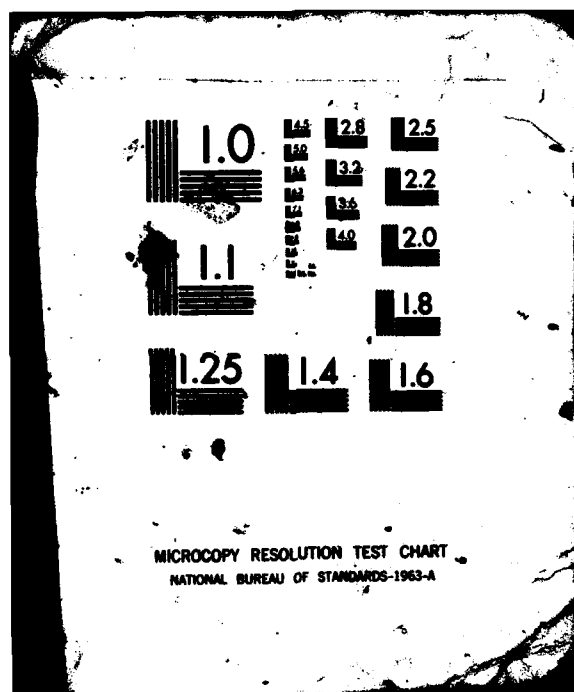
SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.9	2.2	1.0								5.3	7.6
NNE	.2	.8	1.0	.7								2.7	4.1
NE	.6	.2	1.0	.7								2.5	7.6
ENE		.8	.8	.1								1.8	7.3
E	.1	.6	1.3	.8								2.9	8.4
ESE	.2	.5	.8	.2								1.8	7.5
SE		.8	.7	.2								1.8	7.3
SSE	.2	1.2	.8									2.3	5.8
S	.2	2.0	4.2	1.8								8.2	8.3
SSW	.4	2.2	5.1	3.5								11.1	9.0
SW	.1	3.1	8.7	8.4	.5							20.8	10.2
WSW	.4	2.2	3.6	3.2	.1							9.4	9.2
W	.2	1.8	4.3	1.9	.4							8.6	9.0
WNW	.4	1.8	2.3	1.7								6.1	8.3
NW	.1	2.2	3.8	1.4	.4							7.9	8.8
NNW	.1	1.8	2.0	1.0	.1	.1						5.1	8.7
VARBL													
CALM												1.7	
	3.6	23.9	42.7	26.6	1.4	.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 837

AD-A116 089 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
NIAGARA FALLS, NEW YORK. REVISED UNIFORM SUMMARY OF SURFACE WFA--ETC (11)
APR 02
UNCLASSIFIED USAFETAC/DS-82/021 SBI-AD-E850 166 NL

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SURFACE WINDS

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**PERMANENT RESIDENCY OF WIFE
BORN 1918 NEW YORK
FROM 1945 ONWARDS**

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	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90	91-93	94-96	97-99	100-102	103-105	106-108	109-111	112-114	115-117	118-120	121-123	124-126	127-129	130-132	133-135	136-138	139-141	142-144	145-147	148-150	151-153	154-156	157-159	160-162	163-165	166-168	169-171	172-174	175-177	178-180	181-183	184-186	187-189	190-192	193-195	196-198	199-201	202-204	205-207	208-210	211-213	214-216	217-219	220-222	223-225	226-228	229-231	232-234	235-237	238-240	241-243	244-246	247-249	250-252	253-255	256-258	259-261	262-264	265-267	268-270	271-273	274-276	277-279	280-282	283-285	286-288	289-291	292-294	295-297	298-300	301-303	304-306	307-309	310-312	313-315	316-318	319-321	322-324	325-327	328-330	331-333	334-336	337-339	340-342	343-345	346-348	349-351	352-354	355-357	358-360	361-363	364-366	367-369	370-372	373-375	376-378	379-381	382-384	385-387	388-390	391-393	394-396	397-399	400-402	403-405	406-408	409-411	412-414	415-417	418-420	421-423	424-426	427-429	430-432	433-435	436-438	439-441	442-444	445-447	448-450	451-453	454-456	457-459	460-462	463-465	466-468	469-471	472-474	475-477	478-480	481-483	484-486	487-489	490-492	493-495	496-498	499-501	502-504	505-507	508-510	511-513	514-516	517-519	520-522	523-525	526-528	529-531	532-534	535-537	538-540	541-543	544-546	547-549	550-552	553-555	556-558	559-561	562-564	565-567	568-570	571-573	574-576	577-579	580-582	583-585	586-588	589-591	592-594	595-597	598-600	601-603	604-606	607-609	610-612	613-615	616-618	619-621	622-624	625-627	628-630	631-633	634-636	637-639	640-642	643-645	646-648	649-651	652-654	655-657	658-660	661-663	664-666	667-669	670-672	673-675	676-678	679-681	682-684	685-687	688-690	691-693	694-696	697-699	700-702	703-705	706-708	709-711	712-714	715-717	718-720	721-723	724-726	727-729	730-732	733-735	736-738	739-741	742-744	745-747	748-750	751-753	754-756	757-759	760-762	763-765	766-768	769-771	772-774	775-777	778-780	781-783	784-786	787-789	790-792	793-795	796-798	799-801	802-804	805-807	808-810	811-813	814-816	817-819	820-822	823-825	826-828	829-831	832-834	835-837	838-840	841-843	844-846	847-849	850-852	853-855	856-858	859-861	862-864	865-867	868-870	871-873	874-876	877-879	880-882	883-885	886-888	889-891	892-894	895-897	898-900	901-903	904-906	907-909	910-912	913-915	916-918	919-921	922-924	925-927	928-930	931-933	934-936	937-939	940-942	943-945	946-948	949-951	952-954	955-957	958-960	961-963	964-966	967-969	970-972	973-975	976-978	979-981	982-984	985-987	988-990	991-993	994-996	997-999	1000-1002	1003-1005	1006-1008	1009-1011	1012-1014	1015-1017	1018-1020	1021-1023	1024-1026	1027-1029	1030-1032	
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GLOBAL CLIMATELOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAC

1. **NAME** _____ **AGE** _____ **SEX** _____
 2. **ADDRESS** _____
 3. **CITY** _____ **STATE** _____ **ZIP** _____
 4. **PHONE** _____
 5. **DATE** _____

CONTACT WINNERS

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.M.T.)

ORIGINATOR

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	3.0	1.7									8.8	5.9
NNE	.2	1.9	1.7									3.8	6.3
NE	.7	8.8	2.5	.2								7.9	6.3
NNE	1.8	3.3	1.2	.7								6.7	5.7
E	.5	3.5	1.7	.8								6.0	5.9
ESE	.1	.7	.1									1.0	5.3
SE		1.0	.8									1.3	6.1
SSE	.2	1.0	.5									1.7	5.6
S	.5	3.7	8.7	.5								9.3	6.9
SSW		2.8	5.7	1.3								9.8	8.0
SW	.1	3.6	13.3	8.3	.1							21.8	8.8
WSW	.1	1.6	3.6	3.0	.7							9.0	10.2
W	.1	1.3	1.7	.8								3.5	7.8
WNW		1.1	2.3	.8	.1							8.3	8.9
NW	.2	1.2	1.3	1.7								8.8	8.7
NNW	.1	.6	1.7	.5								2.9	8.8
VARBL													
CALM												2.3	
	4.8	34.6	43.8	13.8	1.8							100.8	7.5

TOTAL NUMBER OF OBSERVATIONS

834

7986

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.5	1.2									6.5	5.3
NNE	.5	1.0	.2	.2								1.9	6.1
NW	.4	.7	.5	.1								1.7	5.7
SNE	2.0	3.2	.5	.1								5.9	4.8
E	1.7	3.2	1.9	.1								6.9	5.8
SSE	.4	2.2	1.0									3.5	5.8
SE	.5	.8	.4									1.7	4.9
SSE	.4	.7	.8									1.9	6.1
S	1.0	7.2	6.2	1.0								15.3	6.5
SSW	.6	4.2	3.8	.2	.1							9.0	6.7
SW	.2	5.9	6.2	1.0								13.3	7.2
WSW	.5	2.9	3.2	.7								7.3	7.1
W	.4	2.7	1.9	.9								5.9	6.3
WNW	.1	1.6	1.8	.9	.1							3.9	7.7
NW	.2	1.4	1.8	.6								4.1	7.2
NNW	.9	.7	1.1	.9								2.5	7.5
VARB													
CALM												11.4	
	9.9	40.9	32.5	5.1	.2							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287

NIAGARA FALLS NY

73-81

AUG

ALL WEATHER

ALL

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.2	2.1	.6								5.3	2.0
NNE	.3	1.0	1.8	.3								3.0	2.3
NNE	.8	1.3	1.6	.7								6.0	2.8
ENE	1.2	2.1	1.2	.3								6.8	3.7
E	1.2	2.7	1.3	.2								5.8	3.8
ESE	.3	1.3	.7	.0								2.3	3.8
SE	.3	.9	.5	.0								1.8	3.6
SSE	.8	.8	.6	.0								1.9	3.8
S	.8	8.1	8.8	1.1	.0							18.8	7.0
SSW	.8	2.8	8.2	2.1	.1							9.8	8.2
SW	.3	3.2	8.7	8.6	.8	.0						15.2	9.2
WSW	.8	2.1	3.8	2.8	.1							8.0	8.1
W	.3	2.2	2.1	1.0	.0							5.2	7.4
WNW	.3	1.8	1.9	1.9	.1							6.8	8.6
NNW	.3	1.1	2.3	1.3	.0							5.3	8.4
NW	.2	1.2	1.4	.8	.0							3.8	7.8
VAR													
CALM												8.0	
	7.8	38.4	34.8	14.8	1.8	.8						100.8	7.1

TOTAL NUMBER OF OBSERVATIONS

1442

7967

2

● 2010 年 10 月 1 日起

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SECRET

[REDACTED]
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SECRET

125247

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1. *Journal of the American Medical Association*, 1997; 277: 103-107.



品名	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24	25-27	28-30	31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90	91-93	94-96	97-99	100-102	103-105	106-108	109-111	112-114	115-117	118-120	121-123	124-126	127-129	130-132	133-135	136-138	139-141	142-144	145-147	148-150	151-153	154-156	157-159	160-162	163-165	166-168	169-171	172-174	175-177	178-180	181-183	184-186	187-189	190-192	193-195	196-198	199-201	202-204	205-207	208-210	211-213	214-216	217-219	220-222	223-225	226-228	229-231	232-234	235-237	238-240	241-243	244-246	247-249	250-252	253-255	256-258	259-261	262-264	265-267	268-270	271-273	274-276	277-279	280-282	283-285	286-288	289-291	292-294	295-297	298-300	301-303	304-306	307-309	310-312	313-315	316-318	319-321	322-324	325-327	328-330	331-333	334-336	337-339	340-342	343-345	346-348	349-351	352-354	355-357	358-360	361-363	364-366	367-369	370-372	373-375	376-378	379-381	382-384	385-387	388-390	391-393	394-396	397-399	400-402	403-405	406-408	409-411	412-414	415-417	418-420	421-423	424-426	427-429	430-432	433-435	436-438	439-441	442-444	445-447	448-450	451-453	454-456	457-459	460-462	463-465	466-468	469-471	472-474	475-477	478-480	481-483	484-486	487-489	490-492	493-495	496-498	499-501	502-504	505-507	508-510	511-513	514-516	517-519	520-522	523-525	526-528	529-531	532-534	535-537	538-540	541-543	544-546	547-549	550-552	553-555	556-558	559-561	562-564	565-567	568-570	571-573	574-576	577-579	580-582	583-585	586-588	589-591	592-594	595-597	598-600	601-603	604-606	607-609	610-612	613-615	616-618	619-621	622-624	625-627	628-630	631-633	634-636	637-639	640-642	643-645	646-648	649-651	652-654	655-657	658-660	661-663	664-666	667-669	670-672	673-675	676-678	679-681	682-684	685-687	688-690	691-693	694-696	697-699	700-702	703-705	706-708	709-711	712-714	715-717	718-720	721-723	724-726	727-729	730-732	733-735	736-738	739-741	742-744	745-747	748-750	751-753	754-756	757-759	760-762	763-765	766-768	769-771	772-774	775-777	778-780	781-783	784-786	787-789	790-792	793-795	796-798	799-801	802-804	805-807	808-810	811-813	814-816	817-819	820-822	823-825	826-828	829-831	832-834	835-837	838-840	841-843	844-846	847-849	850-852	853-855	856-858	859-861	862-864	865-867	868-870	871-873	874-876	877-879	880-882	883-885	886-888	889-891	892-894	895-897	898-900	901-903	904-906	907-909	910-912	913-915	916-918	919-921	922-924	925-927	928-930	931-933	934-936	937-939	940-942	943-945	946-948	949-951	952-954	955-957
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1. **Introduction**
 2. **Background**
 3. **Methodology**
 4. **Results**
 5. **Conclusion**
 6. **References**

[illegible]

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100

**FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE
CRIMINAL DIVISION**

~~726287~~ ~~NIAGARA FALLS, NY~~

350

Средний показатель	1-3	4-6	7-10	11-15	16-20	21-25	26-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	%	Средний показатель
1	0.5	0.7	0.8	0.9	1.0										0.5	1.0
2	0.5	0.7	0.8	0.9	1.0										0.5	1.0
3	0.5	0.7	0.8	0.9	1.0										0.5	1.0
4	0.5	0.7	0.8	0.9	1.0										0.5	1.0
5	0.5	0.7	0.8	0.9	1.0										0.5	1.0
6	0.5	0.7	0.8	0.9	1.0										0.5	1.0
7	0.5	0.7	0.8	0.9	1.0										0.5	1.0
8	0.5	0.7	0.8	0.9	1.0										0.5	1.0
9	0.5	0.7	0.8	0.9	1.0										0.5	1.0
10	0.5	0.7	0.8	0.9	1.0										0.5	1.0
11	0.5	0.7	0.8	0.9	1.0										0.5	1.0
12	0.5	0.7	0.8	0.9	1.0										0.5	1.0
13	0.5	0.7	0.8	0.9	1.0										0.5	1.0
14	0.5	0.7	0.8	0.9	1.0										0.5	1.0
15	0.5	0.7	0.8	0.9	1.0										0.5	1.0
16	0.5	0.7	0.8	0.9	1.0										0.5	1.0
17	0.5	0.7	0.8	0.9	1.0										0.5	1.0
18	0.5	0.7	0.8	0.9	1.0										0.5	1.0
19	0.5	0.7	0.8	0.9	1.0										0.5	1.0
20	0.5	0.7	0.8	0.9	1.0										0.5	1.0
21	0.5	0.7	0.8	0.9	1.0										0.5	1.0
22	0.5	0.7	0.8	0.9	1.0										0.5	1.0
23	0.5	0.7	0.8	0.9	1.0										0.5	1.0
24	0.5	0.7	0.8	0.9	1.0										0.5	1.0
25	0.5	0.7	0.8	0.9	1.0										0.5	1.0
26	0.5	0.7	0.8	0.9	1.0										0.5	1.0
27	0.5	0.7	0.8	0.9	1.0										0.5	1.0
28	0.5	0.7	0.8	0.9	1.0										0.5	1.0
29	0.5	0.7	0.8	0.9	1.0										0.5	1.0
30	0.5	0.7	0.8	0.9	1.0										0.5	1.0
31	0.5	0.7	0.8	0.9	1.0										0.5	1.0
32	0.5	0.7	0.8	0.9	1.0										0.5	1.0
33	0.5	0.7	0.8	0.9	1.0										0.5	1.0
34	0.5	0.7	0.8	0.9	1.0										0.5	1.0
35	0.5	0.7	0.8	0.9	1.0										0.5	1.0
36	0.5	0.7	0.8	0.9	1.0										0.5	1.0
37	0.5	0.7	0.8	0.9	1.0										0.5	1.0
38	0.5	0.7	0.8	0.9	1.0											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725287 MIABARA FALLS NY 73-81 YEARS OCT

ALL WEATHER

0300-0500
HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	206	%	WIND SPEED
N	.8	2.3	1.6	.8	.1							8.7	4.9
NNE	.2	1.2	.2									1.7	5.1
NE	.8	1.1	.1	.8	.1							2.8	7.0
NNE	1.8	2.9	.8	.2	.8							8.8	5.8
E	1.2	6.3	1.8	1.2								10.2	6.8
ESE	.8	1.6	.7	.1								3.0	8.2
SE		1.1	.1									1.2	8.9
SSE	.8	.8	.8									1.7	5.6
S	.8	2.0	8.8	1.9								8.7	8.2
SSW	.8	1.0	2.8	1.1	.1							6.9	8.8
SW		.8	3.3	3.2	.8							7.8	18.7
WSW	.2	2.2	2.8	2.2	.8	.1						8.0	8.5
W	.2	8.8	8.1	8.8	.8	.2						17.8	8.1
WNW	.1	1.1	2.8	.7	.2							8.7	8.5
WW	.1	.8	1.8	1.8	.2							8.1	8.6
WNW	.2	1.9	1.7	1.1								8.9	7.7
VAR													
CALM												9.1	
	6.7	31.8	38.8	18.8	2.8	.8						100.8	5.2

TOTAL NUMBER OF OBSERVATIONS 232

USAFETAC FORM 0-5 (5-1) REVISION 10-64 OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 STATION NIAGARA FALLS NY 73-81 YEARS OCT MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.G.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.8	1.1	.8	.1							3.7	7.8
NNE	.8	1.2	.7	.2								2.5	6.8
NE	.1	.8	.8	1.2	.1	.1						3.2	10.3
NNE	1.3	1.9	1.3	.8	.8							5.3	6.6
E	1.2	4.8	2.5	1.0								9.8	6.2
ESE	1.1	2.5	.8	.1								4.5	5.3
SE	.8	1.1	1.8	.1								3.0	6.8
ESE	.2	1.3	.7	.1								2.8	6.2
S	1.1	3.5	4.1	2.8								11.0	7.8
SSW	.1	.8	1.7	1.7								4.3	9.5
SW	.8	1.1	1.8	3.8	.8							7.8	10.6
WSW		1.8	2.6	2.7	.5	.1						7.8	10.8
W	.2	3.0	5.0	5.8	.8	.1						18.1	9.8
WWV	.8	1.8	1.0	1.6								6.7	8.8
NW	.2	.8	1.6	.8	.2							3.7	9.3
NNW	.2	1.8	1.8	1.6								6.7	8.7
VARL													
CALM												8.4	
	7.8	29.3	28.4	23.8	2.8	.8						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287 STATION MIABARA FALLS, NY STATION NAME 73-81 YEARS OCT MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-30	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.8	1.7	2.2								8.7	9.8
NNE	.1	.7	1.1	.6								2.5	8.8
NE		.7	1.1	.6	.1							2.5	8.9
ENE		.7	1.9	1.6	.1							9.3	9.9
E	.2	2.0	3.8	1.6	.1							7.8	8.8
ESE	.2	1.3	1.7	.5								3.7	7.8
SE	.5	.8	.4	.1								1.8	5.7
SSE	.5	.8	1.0	.8								2.6	6.6
S	.6	2.7	5.9	4.1	.1							13.8	9.1
SSW		.6	2.3	3.2	.2							6.3	11.2
SW	.2	.5	2.5	4.9	1.9	.1						10.2	12.7
WSW	.1	.6	2.0	3.5	1.1	.8						8.1	13.8
W		1.2	3.3	5.9	.8	.1						11.8	11.8
WNW	.1	.8	2.8	8.8	.1							7.8	11.8
NW		.2	1.8	2.7	.6							5.8	11.8
NNW	.1	.5	2.5	2.2								5.3	10.2
VARB.													
CALM												2.6	
	2.7	18.7	35.8	18.2	5.3	1.1						100.8	10.1

TOTAL NUMBER OF OBSERVATIONS 227

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 NIABADA FALLS, NY STATION NAME

73-81 YEARS

DCI

1200-1800
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	%	MEAN WIND SPEED
N	.2	1.1	2.6	2.9	.1							6.9	9.8
NNE	.2	.6	1.2	.7								2.7	8.8
NNE	.1	1.3	1.1	.8								2.9	7.8
NNE		2.2	1.9	1.3								5.9	8.8
E		1.8	3.3	1.1								6.2	8.8
ESE		.4	.4	.8								1.1	8.8
ESE	.2	.5	.6	.2								1.6	7.1
ESE	.1	.7	.8	.6								2.3	8.1
S	.5	1.8	2.6	3.8	.1							8.5	9.8
SE		.2	1.1	3.6	.8	.8						6.1	13.5
SE	.1	.6	3.1	7.2	2.5	.8	.1					18.5	13.7
SE		1.1	2.3	3.8	1.8	.7	.1					9.6	13.8
W		.7	2.8	6.5	1.8							11.1	12.6
WSW		.6	2.7	3.6	1.8	.1						8.0	12.1
WSW		.8	2.8	1.2	.8							7.8	11.1
WSW		.7	2.2	2.5								5.8	10.8
VAR												.8	
CALM												.8	
	1.6	18.7	28.8	81.7	8.8	2.8	.2					100.8	11.1

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287 NTARARA FALLS, NY

13-81

61

ALL WEATHER

1800-2000
hours (L.S.T.)

WIND DIRECTION REL.	1-3	4-6	7-10	11-15	16-20	21-25	26-30	31-40	41-50	51-60	200	%	WIND SPEED REL.
N	.2	1.0	2.2	1.0								5.0	8.2
NNE	1.0	1.2	2.0									8.2	8.2
NE	.8	2.2	1.0	.8								5.0	8.2
NNE	.2	0.8	1.0	.8	.2							7.0	8.2
E	.7	1.0	2.2	1.0	.1							7.0	8.2
ESE		.7	1.2									1.0	7.0
SE	.1	.5	1.0									1.0	7.0
ESE	.2	1.0	1.0	.2								7.0	8.2
S	.8	1.0	1.0	1.1	.2							8.0	8.2
SSE		1.2	2.0	1.1								8.0	8.2
SE	.1	2.0	0.1	1.2	.2							10.2	9.0
SSE	.2	1.0	2.2	0.1	.2	.2						9.0	11.0
S		1.0	0.0	1.0	.0							10.0	10.0
SSE		1.2	0.0	1.0	.0							5.0	10.0
SE		.0	1.0	0.0	.0							5.0	11.0
SSE	.0	1.0	1.0	1.0	.1							5.0	9.0
SW												3.7	
WSW												100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

61

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM 1500Z OBSERVATIONS)

SURFACE WINDS

725207 NIAGARA FALLS NY 13-01 001

ALL WEATHER

2100-2300
LOCAL TIME

WIND DIRECTION DEG	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	%	WIND SPEED KTS
0	.0	1.7	2.0	1.0																	1.0	0
10	.2	1.2	1.0	.0																	1.0	10
20	.2	1.2	.0	.0	.1																1.0	20
30	.0	2.0	.1	.0																	1.0	30
40	.2	2.0	2.1	1.0																	1.0	40
50	.2	1.3	.0																		1.0	50
60	.2	1.3	1.0	.1																	1.0	60
70	.2	2.0	.2	.0																	1.0	70
80	.0	1.0	2.7	2.0																	1.0	80
90	.1	.2	1.0	1.2																	1.0	90
100	.0	1.0	2.1	2.2																	1.0	100
110	.1	1.0	1.1	1.1																	1.0	110
120	.1	1.0	2.0	2.0	.1																1.0	120
130	.1	1.0	2.1	1.2	.0																1.0	130
140	.1	1.0	2.0	.2																	1.0	140
150	.1	1.0	1.1	.0																	1.0	150
160	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	160
170	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	170
180	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	180
190	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	190
200	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	200
210	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	210
220	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	220
230	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	230
240	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	240
250	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	250
260	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	260
270	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	270
280	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	280
290	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	290
300	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	300
310	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	310
320	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	320
330	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	330
340	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	340
350	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	350
360	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1.0	360

REMARKS: (SEE 1000-1010) (SEE 1010-1020) (SEE 1020-1030)

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GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/WAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

225202 - NIAGARA FALLS, NY - 72-01 - 1961

ALL WEATHER

2400-0000
LOCAL (L.S.T.)

WIND DIR	1-5	6-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100	%	WIND SPEED
0	0.0	1.0	0.0	1.0									0.0	0.0
10	0.0	0.0	0.0	0.0									0.0	0.0
20	0.0	0.0	0.0	0.0									0.0	0.0
30	0.0	1.0	1.0	1.0									0.0	0.0
40	0.0	0.0	0.0	0.0	0.0								0.0	0.0
50	0.0	1.0	1.0	1.0	0.0								0.0	0.0
60	0.0	1.0	0.0	0.0	0.0								0.0	0.0
70	0.0	0.0	0.0	0.0	0.0								0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0							0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0						0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
340	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
350	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REMARKS: THE FOLLOWING WINDS WERE OBSERVED AT THE TIME OF THE REPORT

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

~~725207~~ ~~NIAGARA FALLS, NY~~

2241

NAME

ALL MEASURES

0000-1100
00000 (L.S.V.)

UNCLASSIFIED 1990 0-6-6 (PL-A) FEDERAL BUREAU OF INVESTIGATION

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

225287 NIAGARA FALLS NY 12-81 1200-1800
STATION OBSERVATION PERIOD
ALL WEATHER
RECORD (A-6.1)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-20	21-25	26-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	%	WIND SPEED
N	.2	1.1	1.6	.6	.1										3.7	8.2
NNE		1.2	.6	.2											2.1	6.2
NW	.1	.6	.6	.2											1.6	7.6
ENE	.2	.2	1.2	.9											3.8	8.2
E	.2	.9	2.0	2.2											5.3	9.3
ESE	.1	.9	.9	1.0											2.3	9.3
SE		.6	.7	.5											1.9	8.7
SSE		.6	.5	.2											1.1	8.8
S		1.1	1.7	3.8	.2										6.9	10.9
SSW		.6	1.1	0.0	.2										2.9	11.6
SW		.9	2.5	7.3	2.0										12.6	12.7
WSW	.1	.6	1.5	6.3	1.7	.5	.1	.1							10.7	16.0
W	.6	1.6	3.8	9.6	2.8	.7									16.5	16.0
WNW	.6	.9	1.8	5.8	.8	.1									10.1	11.2
WW		1.5	1.2	2.2	.6	.1									6.8	10.7
WNW		1.0	1.5	1.8	.2										3.1	9.9
WIND																
CALM															.9	
	1.8	13.6	22.7	20.0	6.0	1.7	.1	.1							100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 1200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY

STATION NAME

73-81

YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.C.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.6	1.7	.6								6.1	7.5
NNE	.1	1.1	.9									2.1	6.3
NNE		2.0	1.6	.1								3.5	6.9
NNE	.1	.9	2.0	.1								3.1	7.3
E	.1	2.1	3.1	1.9								7.2	8.8
ESE	.1	.1	.6	.9								1.7	10.3
SE		.5	.6									.9	6.3
SSE	.1	.6	.2	.1	.1	.1						1.1	9.8
S	.2	1.0	1.2	2.7	.6	.1						5.9	11.1
SSW	.5	1.6	2.7	2.8	.2	.6						8.3	10.2
SW		1.0	1.2	2.2	1.0	.1	.1					12.6	12.1
WSW		.6	2.0	6.7	.9	.5	.6					11.8	13.6
W	.1	.9	1.6	9.8	2.5	.5	.1					12.8	13.8
WSW	.2	1.2	1.2	6.3	1.0							10.8	11.1
SW	.5	2.0	1.6	2.1	.6	.1						6.7	9.8
WSW	.2	1.2	1.1	1.6								6.2	9.8
WSW													
CAV												.7	
	2.6	18.1	20.8	22.5	6.7	1.9	.6					100.0	18.3

TOTAL NUMBER OF OBSERVATIONS 216

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.C.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.8	.8	.6								2.5	7.8
NNE	.2	.9	.3									1.6	5.2
NE	.5	1.2	.6	.8								2.7	6.1
NNE	.7	3.2	1.9	.2								5.6	5.6
E	.1	1.6	4.7	1.6								8.0	8.8
ESE		1.2	1.0	.6								2.8	7.9
SE		.7	.9									1.1	6.0
SSE	.1	.6	.9	.1								1.7	7.1
S	.4	2.0	2.7	3.1	.6	.2						9.0	10.3
SSW		1.2	2.8	1.6								5.7	9.2
SW		2.1	2.7	4.1	.7							9.6	10.7
WSW	.4	1.7	2.6	4.3	1.0		.6					10.6	11.9
W	.2	2.7	6.9	8.8	1.1	.2						19.6	10.9
WWW	.2	1.2	2.1	3.1	.6	.1						7.9	10.9
NW		1.1	.7	1.9	.2							4.0	10.8
NNW		1.0	1.7	2.6	.1							5.4	10.6
VARIABLE													
CALM												2.6	
	3.1	28.8	32.1	32.6	8.8	.6	.6					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287 STATION NAME: NIAGARA FALLS NY 73-81 YEARS: NOV MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.8	.6	1.4								3.7	9.0
NNE	.2	.5	.1									.9	5.0
NE	.5	1.0	.5	.2								2.2	5.9
NNE	.9	2.1	2.0	.5								5.4	6.5
E	.7	3.3	3.5	1.8								8.9	7.3
ESE	.2	1.5	1.9	.2								3.8	6.8
SE		.9	.2									1.1	6.1
SSE	.8	.9	.2									1.5	5.0
S	.6	2.6	2.0	1.9	.2	.1						7.8	8.8
SSW		1.9	2.5	2.7		.1						7.2	9.3
SW	.1	1.8	2.5	3.5	1.2	.1	.1					8.9	11.8
WSW	.1	1.0	3.0	8.7	1.1	.6	.1					10.6	12.5
W	.8	2.6	7.0	9.8	1.8							20.7	10.9
WWW	.1	1.7	1.5	2.2	.8							5.9	9.8
NW	.2	.5	1.0	2.1	.1	.1						8.1	11.3
NNW		1.0	1.8	1.6	.1							9.1	9.8
VARIABLE													
CALM												3.6	
	8.7	28.1	29.8	32.0	8.6	1.1	.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.3	1.1	1.1	.0							3.7	8.3
NNE	.2	.9	.9	.3								1.8	6.9
NE	.3	1.0	.7	.3								2.3	6.8
NNE	.5	1.7	1.7	.9								9.2	8.6
E	.5	2.7	2.7	1.9	.0							7.9	7.6
ESE	.2	1.1	1.2	.6	.0							3.1	7.7
SE	.0	.8	.6	.1								1.5	7.0
SSE	.2	.8	.6	.1	.0	.0						1.7	6.6
S	.9	2.2	2.9	2.6	.3	.1						8.5	9.3
SSW	.1	1.1	2.4	2.6	.3	.1						6.7	10.3
SW	.1	1.2	2.7	4.8	.8	.1	.0					9.5	11.5
WSW	.2	1.2	2.7	4.9	1.2	.3	.2	.0				10.7	12.3
W	.3	2.0	6.0	9.3	1.9	.3	.0					19.3	11.5
WWW	.2	1.3	2.3	3.1	.5	.0						7.8	10.5
WNW	.2	.8	1.3	2.0	.9	.1						6.7	10.8
NNW	.1	.9	1.9	1.7	.1							6.1	9.8
VARIABLE													
CALM												3.4	
	3.8	20.8	30.5	35.0	5.1	1.1	.3	.0				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 4880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS, NY
STATION NAME

73-81
YEAR

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.M.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.2	1.1	2.3	.1							8.8	9.9
NNE		.1	1.1	.6								1.8	9.7
NE		1.1	1.1	.6								2.5	2.8
NNE	.2	2.0	.8	.6		.8						3.7	8.3
E	.8	3.6	3.8	1.2	.1							9.6	7.1
ESE	.1	2.2	2.2	.8								4.8	7.0
SE		1.2	.6									1.8	6.0
ESE	.1	1.2	.8	.1								2.3	6.2
S	.8	2.2	1.8	3.1	.2							7.6	8.2
SEW	.1	1.0	1.2	1.8	.2							3.9	10.8
SW	.1	1.1	1.2	3.1	1.6	.1						7.2	15.8
WSW	.1	1.8	3.8	8.7	1.8	.2						12.2	15.1
W	.2	8.7	6.8	8.1	3.6	.8						23.5	15.1
WWW		.7	1.3	1.0	.1	.1						3.2	16.2
SWW	.1	.2	1.1	1.1	.5	.1	.1					3.2	15.8
WSW	.1	.7	1.8	1.8	.7		.1					6.9	11.8
VARL													
CALM												3.0	
	2.6	28.5	28.4	28.7	8.1	1.6	.2					100.8	8.8

TOTAL NUMBER OF OBSERVATIONS

257

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

DEC
MONTH

ALL WEATHER
CLASS

0100-0500
HOURS (L.S.T.)

COMMENT

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	WIND SPEED
N	.8	1.1	1.6	1.7	.1							9.8	9.2
NNE		.7	.8	.6								1.7	8.1
NE		.8	.7	.8	.2							2.6	9.2
NNE	.4	1.6	.4	.7	.1							3.1	7.3
E	1.2	4.2	2.9	1.7								9.9	7.4
ESE		1.9	3.5	.4								5.7	7.4
SE		.2										.2	6.8
SSE		1.0	.4	.1								1.6	6.4
S	.5	2.9	3.3	1.6								8.3	7.4
SSW	.1	1.6	1.8	2.6	.2							5.5	10.4
SW		1.7	1.7	2.8	.8	.1						7.2	11.3
WSW		1.7	2.8	5.5	1.2	.1						11.7	11.4
W	.2	3.5	6.3	8.8	2.5	.4						21.5	11.4
WSW		1.8	1.1	1.6	.8							6.8	8.4
SW		.7	1.8	1.8	.8	.1	.1					6.2	11.4
WSW		.7	1.1	1.8	.2	.2						6.1	11.4
WIND													
CALM												3.2	
	2.8	24.8	28.3	11.3	6.2	1.2	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

210

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

DEC
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	WIND SPEED
N	.1	.8	2.0	.6	.1							3.7	8.3
NNE		.8	.2	.8								1.8	2.6
NE	.2	.2	.5	.8	.5							1.8	10.8
ENE	.5	1.6	1.6	.1								3.7	6.6
E	2.2	3.1	3.3	3.8	.1							12.2	7.8
ESE	.6	1.6	1.7	.5								6.3	6.6
SE	.1	.5	.6									1.2	6.6
SSE	.2	1.1	1.0	.1								2.8	6.6
S	.8	2.2	3.8	1.6	.1							8.5	7.8
SSW		1.7	1.8	1.8	.8							5.8	10.8
SWS	.2	1.7	1.7	2.8	1.8							7.8	10.8
WSW		1.9	2.1	3.7	1.9	.2						10.2	11.8
W	.2	8.2	5.8	7.8	1.8	.8	.1					19.3	10.8
WSW		2.2	1.7	1.8	.8	.6						6.2	6.6
SW		.8	.7	2.2	.6	.6						6.2	10.8
SSW	.2	.6	.8	2.2	.7	.2						6.2	11.8
WSW													
CALM												3.3	
	5.8	26.8	28.2	28.8	2.8	1.6	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

~~725287~~ ~~NIAGARA FALLS, NY~~

2201

REF

ALL WEATHER

0000-1000
0000-1000

[illegible]

FORM 1-6-6 (2-4-4) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725287 NIABARA FALLS, NY STATION NAME

73-81 YEARS

DEC MONTH

ALL WEATHER CLASS

1500-1700 HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-14	15-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	1.2	1.2								1.4	8.4
NNE	.1	.0	1.0	.2								1.7	7.4
NW		1.0	1.0	.0		.1						3.1	8.5
ENE	.0	2.5	2.2	.0	.2	.2						6.3	8.6
E	.0	1.0	2.3	1.0								7.3	8.5
ESE		.5	2.0	.7								3.2	8.0
SE		1.0	1.0	.1								2.0	7.1
SSE		1.1	.0	.5								2.6	7.5
S	.0	1.7	1.9	1.7	.2							8.9	8.7
SSW	.1	.5	1.2	2.6	.0		.1					6.9	12.0
SW		1.1	2.9	3.0	1.0	.7	.2					10.3	12.0
WSW		.7	1.7	0.0	1.0	1.0	.1					13.6	10.1
W	.1	1.3	3.6	0.0	1.0	.0						12.0	12.0
WNW	.1	1.0	2.1	0.0	1.1							6.7	11.5
WW	.1	.7	1.1	2.5	0.0	.1						6.6	12.5
WNW	.2	1.0	.0	2.3	.0							6.0	10.6
TIME													
CALC												.0	
	2.6	12.1	22.4	10.2	2.2	1.7	.3					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 872

USAFETAC FORM 5010 (11-71) PREPARED BY THE AFSS AND AFSSC

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SURFACE WINDS

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STATION

NIAGARA FALLS NY

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ALL WEATHER
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CHAMBERS (L.S.V.)

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THESE RESEARCHERS ARE CURRENTLY SEARCHING FOR:

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

ALL
MONTHS

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.6	1.7	1.1	.1	.0						8.8	8.1
NNE	.2	.8	.9	.8	.0	.0						2.3	7.6
NE	.2	.9	1.2	.7	.1	.0						3.2	8.3
NNE	.5	1.7	1.5	1.0	.1	.0						4.8	7.8
E	.7	2.5	2.4	1.3	.1	.0						7.0	7.5
ESE	.2	1.0	1.0	.3	.0	.0						2.6	6.9
SE	.2	.7	.6	.1								1.6	6.6
SSE	.2	.9	.6	.2	.0	.0	.0					1.9	6.6
S	.6	3.1	3.5	1.9	.2	.0	.0					9.3	8.1
SSW	.3	1.8	2.9	2.3	.3	.1	.0	.0				7.6	9.3
SW	.3	2.1	6.3	6.7	.9	.2	.1	.0	.0			12.6	10.8
WSW	.3	1.5	2.9	6.0	1.1	.8	.1	.0	.0			10.3	11.7
W	.3	2.0	1.3	6.7	1.0	.2	.0	.0				11.5	11.0
WW	.2	1.3	2.0	2.2	.8	.1	.0					6.2	10.2
WN	.2	1.1	2.0	2.8	.3	.1	.0					5.7	10.2
WNW	.2	1.0	1.6	1.8	.2	.0	.0					6.3	9.8
VAR													
CAL												4.4	
	8.8	20.0	12.3	20.8	8.6	1.2	.2	.8	.0			100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

725287

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

ALL
MONTHS

INSTRUMENT
CLASS

ALL
HOURS (L.O.T.)

CIG 200 TO 1000 FT W/ VSBY 1/2 MI OR MORE.
CONVENTION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.2	2.0	2.5	.2	.0						6.8	9.7
NNE	.1	.7	1.5	1.3	.1	.0						3.6	9.3
NE	.2	.8	1.9	1.8	.8	.1						5.3	10.2
NNE	.2	1.9	2.5	2.5	.8	.2						7.3	10.2
E	.5	1.7	2.7	2.5	.2	.0						7.6	9.1
ESE	.2	.8	1.0	.3	.0							2.3	7.3
SE	.1	.5	.8	.0								1.0	6.8
SSE	.1	.8	.5	.1	.0							1.5	6.1
S	.6	2.1	2.0	1.1	.1	.0						6.0	7.6
SSW	.3	1.8	2.2	1.8	.2	.0	.0					6.1	8.8
SW	.3	2.2	1.8	8.3	1.0	.8	.2	.1				12.1	11.2
WSW	.8	1.6	2.8	8.8	1.1	.7	.3	.0				11.8	12.2
W	.3	1.6	2.7	3.8	.9	.3	.0					9.7	11.2
WWW	.2	1.3	1.8	1.9	.6	.1						8.6	10.8
W	.1	1.0	1.6	2.3	.3	.1	.0					5.8	10.7
WNW	.2	.8	1.7	2.2	.3	.1						5.8	10.7
VALE													
CAIN												3.1	
	6.8	20.8	11.0	12.4	8.9	2.1	.8	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 11766

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

YEARS

1973

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	16.0	19.2	19.9	19.9	20.1	20.2	20.2	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
≥ 20000	16.9	20.0	20.7	20.7	21.0	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
≥ 18000	16.9	20.0	20.7	20.7	21.0	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
≥ 16000	16.9	20.0	20.7	20.7	21.0	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
≥ 14000	17.0	20.1	20.8	20.8	21.1	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 12000	18.2	21.3	22.0	22.0	22.3	22.4	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 10000	18.9	22.2	22.9	22.9	23.1	23.2	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 9000	18.9	22.2	22.9	22.9	23.1	23.2	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 8000	20.0	23.5	24.2	24.2	24.4	24.6	24.6	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 7000	20.2	23.7	24.4	24.4	24.7	24.8	24.8	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 6000	20.6	24.2	24.9	24.9	25.1	25.3	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
≥ 5000	21.8	25.8	26.2	26.3	26.4	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 4500	24.1	28.5	29.7	30.2	30.4	30.7	30.7	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 4000	25.9	30.7	31.9	32.3	32.4	32.8	32.8	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 3500	27.4	33.4	34.9	35.4	35.8	36.0	36.0	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 3000	32.3	39.4	41.1	41.5	42.5	43.0	43.1	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 2500	39.3	47.9	50.1	51.1	52.5	53.2	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 2000	43.1	55.3	58.2	60.2	62.2	63.5	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1800	43.8	56.8	60.0	62.3	64.3	65.9	66.5	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 1500	48.8	63.7	67.8	70.7	73.3	75.0	75.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1200	49.2	65.3	69.1	72.8	75.8	78.5	80.4	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1000	50.3	67.3	71.9	75.1	78.8	82.3	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 900	50.4	67.8	71.9	75.7	79.9	83.1	85.3	86.0	86.1	86.7	87.2	87.2	87.2	87.2	87.2	87.2
≥ 800	50.8	68.5	72.8	76.8	80.9	84.3	87.1	87.7	88.1	88.5	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	50.9	68.6	72.9	76.9	81.0	84.4	87.2	87.8	88.2	88.6	89.1	89.1	89.1	89.1	89.1	89.1
≥ 600	50.9	68.6	73.1	77.0	81.3	84.8	87.6	88.2	88.6	89.0	89.5	89.5	89.5	89.5	89.5	89.5
≥ 500	50.9	68.6	73.1	77.0	81.3	84.8	87.6	88.2	88.6	89.0	89.5	89.5	89.5	89.5	89.5	89.5
≥ 400	50.9	68.6	73.1	77.0	81.3	84.8	87.6	88.2	88.6	89.0	89.5	89.5	89.5	89.5	89.5	89.5
≥ 300	50.9	68.6	73.1	77.0	81.3	84.8	87.6	88.2	88.6	89.0	89.5	89.5	89.5	89.5	89.5	89.5
≥ 200	50.9	68.6	73.1	77.0	81.3	84.8	87.6	88.2	88.6	89.0	89.5	89.5	89.5	89.5	89.5	89.5
≥ 100	50.9	68.6	73.1	77.0	81.3	84.8	87.6	88.2	88.6	89.0	89.5	89.5	89.5	89.5	89.5	89.5
≥ 0	50.9	68.6	73.1	77.0	81.3	84.8	87.6	88.2	88.6	89.0	89.5	89.5	89.5	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS 826

USAF ETAC

FORM
AUG 64

D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
MOON 1311

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	18.3	20.5	21.6	21.9	22.2	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
≥ 20000	19.1	21.5	22.6	22.8	23.2	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 18000	19.1	21.5	22.6	22.8	23.2	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 16000	19.4	21.7	22.8	23.1	23.4	23.4	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5
≥ 14000	19.4	21.7	22.8	23.1	23.4	23.4	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5
≥ 12000	20.3	22.7	23.8	24.1	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6
≥ 10000	21.3	23.7	24.7	25.1	25.4	25.4	25.4	25.4	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥ 9000	21.3	23.7	24.7	25.1	25.4	25.4	25.4	25.4	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥ 8000	21.9	24.4	25.4	25.8	26.2	26.2	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 7000	22.3	24.9	25.9	26.3	26.6	26.6	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 6000	22.8	25.3	26.4	26.8	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 5000	23.9	26.9	28.0	28.3	28.7	28.7	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 4500	25.3	29.0	30.1	30.7	31.2	31.2	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 4000	26.0	30.0	31.1	31.9	32.4	32.5	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 3500	28.2	32.4	33.6	34.5	35.0	35.0	35.6	35.6	35.6	35.8	36.0	36.0	36.0	36.0	36.0	36.0
≥ 3000	30.6	36.8	38.8	40.0	40.5	41.0	41.2	41.2	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6
≥ 2500	37.0	45.8	48.4	50.4	51.4	52.0	52.2	52.2	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6
≥ 2000	48.7	55.9	59.5	63.0	64.5	65.2	66.2	66.2	66.2	66.5	67.0	67.0	67.0	67.0	67.0	67.0
≥ 1800	45.3	57.9	61.6	65.2	66.8	67.5	68.7	68.9	69.1	69.3	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1500	48.3	63.1	67.0	71.9	73.8	75.0	76.9	77.3	77.4	77.8	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1200	48.9	64.6	68.7	73.7	75.7	77.3	79.7	80.2	80.3	80.8	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1000	50.1	67.0	71.1	76.3	78.6	80.4	83.3	84.0	84.1	84.8	85.0	85.0	85.0	85.0	85.0	85.0
≥ 900	50.4	67.9	72.2	77.5	79.8	82.0	84.7	85.4	85.5	86.0	86.3	86.3	86.3	86.3	86.3	86.3
≥ 800	50.7	68.5	73.1	78.5	81.4	83.5	87.1	88.1	88.2	88.8	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	50.9	68.9	73.7	79.8	82.6	85.4	88.8	89.8	90.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 600	50.9	68.9	73.8	80.0	83.0	86.1	89.7	90.9	91.9	92.5	92.8	92.8	92.8	92.8	92.8	92.8
≥ 500	50.9	68.9	74.2	80.4	83.6	87.5	90.9	92.8	93.4	94.0	94.6	95.0	95.3	95.3	95.7	95.7
≥ 400	51.0	69.3	74.6	81.5	84.1	87.7	92.8	94.9	95.2	95.8	96.4	96.8	97.3	97.3	97.6	97.6
≥ 300	51.0	69.3	74.6	81.5	84.1	87.7	92.8	94.9	95.2	95.8	96.4	96.8	97.1	97.5	98.3	98.7
≥ 200	51.0	69.3	74.6	81.5	84.1	87.7	92.8	94.9	95.2	95.8	96.4	96.8	97.1	97.5	98.3	98.7
≥ 100	51.0	69.3	74.6	81.5	84.1	87.7	92.8	94.9	95.2	95.8	96.4	96.8	97.1	97.5	98.3	98.7
≥ 0	51.0	69.3	74.6	81.5	84.1	87.7	92.8	94.9	95.2	95.8	96.4	96.8	97.1	97.5	98.3	98.7

TOTAL NUMBER OF OBSERVATIONS 227

USAF ETAC FORM JAN 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NTAGARA FALLS NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	16.6	19.0	20.0	20.2	20.4	20.5	20.9	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0
≥ 20000	17.7	20.8	21.7	22.0	22.2	22.3	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 18000	17.7	20.8	21.7	22.0	22.2	22.3	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 16000	17.7	20.8	21.7	22.0	22.2	22.3	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 14000	18.0	21.1	22.1	22.5	22.7	22.8	23.2	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.4
≥ 12000	18.4	22.0	23.1	23.8	23.7	23.8	24.1	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.4	24.4
≥ 10000	19.2	22.6	23.7	24.0	24.4	24.5	24.9	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1
≥ 9000	19.7	23.3	24.4	24.7	25.1	25.2	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8
≥ 8000	20.2	24.3	25.3	25.7	26.0	26.2	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 7000	20.3	24.4	25.4	25.8	26.2	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 6000	21.0	25.6	26.6	27.0	27.4	27.5	27.8	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1
≥ 5000	22.0	27.1	28.1	28.8	29.3	29.3	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8
≥ 4500	23.7	29.5	30.9	31.4	31.9	32.0	32.4	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6
≥ 4000	24.9	30.9	32.4	33.2	33.8	33.9	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5
≥ 3500	26.3	33.2	34.8	35.8	36.6	36.8	37.2	37.3	37.4	37.5	37.6	37.6	37.6	37.6	37.6	37.6
≥ 3000	28.4	36.3	38.2	39.8	40.6	40.8	41.3	41.5	41.7	41.8	42.1	42.1	42.1	42.1	42.1	42.1
≥ 2500	33.7	43.7	46.2	47.7	49.0	49.3	49.9	50.2	50.4	50.5	50.8	50.8	50.8	50.8	50.8	50.8
≥ 2000	38.4	52.3	55.8	57.9	60.3	60.7	61.9	62.3	62.5	62.7	63.1	63.1	63.1	63.1	63.1	63.1
≥ 1800	39.7	53.8	57.5	60.0	62.8	62.8	64.3	64.8	65.0	65.2	65.6	65.6	65.6	65.6	65.6	65.6
≥ 1500	42.4	58.3	63.2	66.5	69.3	71.1	73.3	73.8	74.3	74.5	75.1	75.1	75.1	75.1	75.1	75.1
≥ 1200	43.4	60.7	65.8	69.5	72.8	75.0	77.7	78.5	78.9	79.1	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1000	43.6	61.8	66.3	72.8	74.8	79.0	82.3	83.8	84.0	84.3	84.8	84.8	84.8	84.8	84.8	84.8
≥ 900	44.0	62.8	69.8	74.1	78.4	81.8	84.3	85.9	86.8	86.9	87.5	87.5	87.5	87.5	87.5	87.5
≥ 800	44.6	63.7	71.0	75.8	80.2	83.8	87.1	88.6	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700	44.4	63.8	71.1	75.9	81.0	84.7	88.4	90.0	90.7	91.3	92.0	92.0	92.1	92.1	92.1	92.1
≥ 600	44.6	64.0	71.6	76.4	82.2	86.8	90.7	92.7	94.0	95.0	95.8	95.8	96.2	96.2	96.5	96.5
≥ 500	44.6	64.0	71.6	76.4	82.2	86.8	90.7	92.7	94.0	95.0	95.8	95.8	96.2	96.2	96.5	96.5
≥ 400	44.6	64.0	71.6	76.4	82.2	86.8	90.7	92.7	94.0	95.0	95.8	95.8	96.2	96.2	96.5	96.5
≥ 300	44.6	64.0	71.6	76.4	82.2	86.8	90.7	92.7	94.0	95.0	95.8	95.8	96.2	96.2	96.5	96.5
≥ 200	44.6	64.0	71.6	76.4	82.2	86.8	90.7	92.7	94.0	95.0	95.8	95.8	96.2	96.2	96.5	96.5
≥ 100	44.6	64.0	71.6	76.4	82.2	86.8	90.7	92.7	94.0	95.0	95.8	95.8	96.2	96.2	96.5	96.5
≥ 0	44.6	64.0	71.6	76.4	82.2	86.8	90.7	92.7	94.0	95.0	95.8	95.8	96.2	96.2	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 632

USAF ETAC, FORM 12-64 (REV. 1-64) (A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
MOON 11.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	16.9	21.0	21.4	22.1	22.3	22.3	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.7	22.7
≥ 20000	18.0	22.6	23.2	24.0	24.2	24.4	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.8	24.8
≥ 18000	18.2	22.9	23.5	24.4	24.6	24.7	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.2	25.2
≥ 16000	19.1	23.8	24.4	25.2	25.5	25.6	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.9	26.1	26.1
≥ 14000	19.2	24.7	25.3	26.4	26.7	26.8	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.3	27.3
≥ 12000	19.7	25.7	26.3	27.4	27.7	27.8	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.3	28.3
≥ 10000	20.3	26.9	27.6	28.7	29.1	29.3	29.5	29.5	29.7	29.8	29.8	29.8	29.8	29.8	29.9	29.9
≥ 9000	20.4	27.6	28.6	29.7	30.0	30.3	30.5	30.5	30.6	30.7	30.7	30.7	30.7	30.7	30.9	30.9
≥ 8000	21.2	29.3	30.4	31.5	31.8	32.1	32.3	32.3	32.4	32.5	32.5	32.5	32.5	32.5	32.7	32.7
≥ 7000	21.9	29.8	30.9	31.9	32.3	32.5	32.8	32.8	32.9	33.0	33.0	33.0	33.0	33.0	33.1	33.1
≥ 6000	21.6	30.4	31.6	32.7	33.1	33.4	33.6	33.6	33.7	33.9	33.9	33.9	33.9	33.9	34.0	34.0
≥ 5000	22.4	31.5	32.7	33.7	34.2	34.6	34.8	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.2	35.2
≥ 4500	23.4	33.0	34.5	35.9	36.4	36.7	37.0	37.0	37.1	37.2	37.2	37.2	37.2	37.2	37.3	37.3
≥ 4000	23.9	34.0	35.4	37.1	37.6	38.2	38.7	38.7	38.8	38.9	38.9	38.9	38.9	38.9	39.0	39.0
≥ 3500	25.6	36.6	38.2	40.2	41.1	41.8	42.3	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.7	42.7
≥ 3000	26.3	38.3	40.0	42.5	43.8	44.9	45.9	45.9	46.4	46.7	46.7	46.7	46.7	46.7	46.9	46.9
≥ 2500	28.9	44.2	46.6	49.7	51.4	53.4	54.3	54.6	54.7	55.0	55.2	55.2	55.2	55.2	55.5	55.5
≥ 2000	32.2	48.9	51.5	55.7	57.8	59.8	61.1	61.6	61.8	62.1	62.3	62.3	62.3	62.3	62.7	62.7
≥ 1800	32.4	48.9	52.3	56.1	58.8	60.7	62.3	62.8	63.1	63.4	63.7	63.7	63.7	63.9	64.0	64.0
≥ 1500	34.8	53.1	57.4	61.7	64.7	68.2	70.8	71.8	72.9	73.0	73.6	73.6	73.6	73.7	73.8	73.8
≥ 1200	35.3	53.8	58.8	63.6	67.2	71.5	74.4	76.2	77.3	78.3	79.2	79.5	79.6	79.6	79.7	79.7
≥ 1000	35.4	54.0	59.4	64.5	68.1	72.6	75.8	77.9	79.5	81.4	83.1	83.6	83.7	83.7	83.8	83.8
≥ 900	35.4	54.3	59.8	65.1	68.8	73.5	76.5	78.8	80.4	82.5	84.5	85.0	85.4	85.4	85.5	85.5
≥ 800	35.4	54.3	60.3	65.5	70.1	75.2	78.9	81.3	83.4	85.8	88.2	89.1	89.8	89.8	89.9	89.9
≥ 700	35.4	54.5	60.9	66.5	70.8	76.1	79.9	82.7	85.1	87.5	90.4	91.2	92.1	92.1	92.2	92.2
≥ 600	35.4	54.6	60.6	66.6	71.1	76.5	79.8	83.2	85.9	88.6	91.5	92.8	93.3	93.5	93.6	93.6
≥ 500	35.4	54.6	60.6	66.7	71.2	76.7	80.7	84.3	87.2	89.9	93.0	94.8	95.0	95.2	95.3	95.3
≥ 400	35.4	54.7	60.7	66.9	71.3	76.8	81.2	85.1	88.2	91.0	94.8	95.0	95.4	95.8	96.2	96.2
≥ 300	35.4	54.7	60.7	66.9	71.3	76.8	81.2	85.1	88.2	91.0	94.8	95.0	95.4	95.8	96.2	96.2
≥ 200	35.4	54.7	60.7	66.9	71.3	76.8	81.2	85.1	88.2	91.0	94.8	95.0	95.4	95.8	96.2	96.2
≥ 100	35.4	54.7	60.7	66.9	71.3	76.8	81.2	85.1	88.2	91.0	94.8	95.0	95.4	95.8	96.2	96.2
≥ 0	35.4	54.7	60.7	66.9	71.3	76.8	81.2	85.1	88.2	91.0	94.8	95.0	95.4	95.8	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS 211

USAF ETAC FORM 8-14-5 (OL A) REVISIONS OF THE FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	17.4	20.8	21.0	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 20000	20.8	25.0	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
N 18000	21.3	25.6	25.9	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
N 16000	21.4	25.8	26.3	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
N 14000	23.3	28.0	28.3	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
N 12000	24.9	29.8	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
N 10000	25.3	30.8	31.2	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
N 9000	25.4	31.1	31.4	31.8	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
N 8000	26.4	32.1	32.7	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
N 7000	26.4	32.8	33.3	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
N 6000	26.8	33.3	34.1	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
N 5000	27.7	34.9	35.5	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
N 4500	28.2	36.0	36.4	38.1	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
N 4000	29.3	37.1	37.5	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
N 3500	30.0	38.7	39.7	41.7	42.3	42.3	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
N 3000	30.7	40.3	41.5	44.1	45.0	45.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
N 2500	34.1	45.9	48.4	51.3	53.2	54.1	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
N 2000	37.2	50.1	54.3	58.2	60.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
N 1800	37.9	51.4	55.3	59.3	62.0	64.2	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
N 1500	40.0	55.4	60.7	65.4	68.0	71.4	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
N 1200	41.0	56.7	61.9	67.1	72.4	76.5	78.4	81.2	81.5	82.4	83.0	83.4	83.5	83.5	83.6	83.6
N 1000	41.3	57.3	62.6	68.7	73.7	78.0	80.5	84.3	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0
N 900	41.3	57.5	63.0	69.2	74.2	79.0	81.0	85.1	85.4	86.7	87.0	88.2	88.4	88.4	88.5	88.5
N 800	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6
N 700	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6
N 600	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6
N 500	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6
N 400	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6
N 300	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6
N 200	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6
N 100	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6
N 0	41.3	57.6	63.1	69.3	74.3	79.1	81.1	85.2	85.5	86.8	87.1	88.3	88.5	88.5	88.6	88.6

TOTAL NUMBER OF OBSERVATIONS 822

USAF ETAC FORM 9-14-5 (OL A) SERVICE CENTER OF THE FIELD AND OFFICE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
MOSE 1111

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	16.5	19.5	20.3	20.4	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 20000	19.2	22.8	23.8	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 18000	19.2	22.8	23.8	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 16000	19.2	23.1	24.0	24.2	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 14000	20.7	24.6	25.6	25.7	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 12000	21.8	26.1	27.0	27.2	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥ 10000	22.6	27.4	28.4	28.5	29.1	29.1	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 9000	22.6	27.4	28.4	28.7	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 8000	24.5	29.7	30.8	31.1	31.7	31.7	31.7	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 7000	25.8	31.3	32.3	32.7	33.8	33.8	33.8	33.8	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 6000	26.1	31.9	32.9	33.3	34.0	34.0	34.0	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 5000	27.9	34.3	35.4	36.8	37.8	37.8	37.8	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 4500	29.0	35.9	37.3	38.1	39.2	39.3	39.3	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 4000	29.6	37.0	38.4	39.5	40.7	41.2	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 3500	30.8	39.1	40.7	41.8	43.1	43.6	43.6	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 3000	32.7	41.6	43.5	44.7	46.3	47.1	47.5	47.8	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 2500	35.7	46.4	49.0	50.9	53.2	54.9	55.4	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 2000	38.3	51.2	53.8	57.0	61.1	63.2	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 1800	39.2	52.9	56.9	59.3	63.8	65.7	66.6	67.1	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 1500	39.8	56.7	61.8	65.5	70.8	73.8	75.8	76.3	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1200	40.3	57.7	63.1	68.0	74.3	77.6	79.3	80.9	82.8	82.8	82.8	82.8	83.1	83.3	83.3	83.3
≥ 1000	40.6	58.1	63.6	68.5	75.7	79.7	81.1	82.9	84.8	85.1	85.1	85.1	85.2	85.3	85.3	85.3
≥ 900	40.7	58.4	64.2	69.8	77.8	80.8	82.6	84.4	86.2	87.0	87.9	88.1	88.5	88.7	89.1	89.3
≥ 800	40.7	58.5	64.3	70.1	77.9	81.0	82.8	84.6	86.4	88.2	89.1	89.5	89.9	90.1	90.3	90.3
≥ 700	40.7	58.4	64.4	70.4	77.9	82.0	84.0	85.9	87.8	89.1	90.1	91.2	91.5	91.8	92.4	92.7
≥ 600	40.7	58.5	64.5	70.7	78.0	82.1	84.1	86.0	87.9	89.1	91.1	92.8	93.0	93.9	94.9	95.1
≥ 500	40.7	58.4	64.7	70.9	78.2	82.9	84.9	86.8	88.7	90.7	91.9	94.0	94.2	95.3	96.0	96.6
≥ 400	40.7	58.5	64.7	71.0	78.3	83.2	85.2	87.1	89.2	91.2	92.3	94.4	94.6	95.8	96.8	97.6
≥ 300	40.7	58.4	64.7	71.0	78.4	83.3	85.3	87.2	89.3	91.3	92.4	94.5	94.7	95.9	96.9	97.6
≥ 200	40.7	58.5	64.7	71.0	78.5	83.3	85.3	87.2	89.3	91.3	92.4	94.5	94.7	95.9	96.9	97.6
≥ 100	40.7	58.4	64.7	71.0	78.4	83.3	85.3	87.2	89.3	91.3	92.4	94.5	94.7	95.9	96.9	97.6
≥ 0	40.7	58.4	64.7	71.0	78.5	83.3	85.3	87.2	89.3	91.3	92.4	94.5	94.7	95.9	96.9	97.6

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2008

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	18.8	21.4	21.4	21.5	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 20000	20.4	21.3	21.3	21.4	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 18000	20.5	23.4	23.4	23.5	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 16000	20.5	23.4	23.4	23.5	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 14000	21.0	23.9	23.9	24.0	24.1	24.1	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 12000	21.6	24.4	24.4	24.7	24.8	24.8	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 10000	22.8	25.9	25.9	26.0	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 9000	23.1	26.3	26.3	26.4	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 8000	23.5	26.9	26.9	27.0	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 7000	23.8	27.0	27.0	27.1	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 6000	24.0	27.6	27.7	28.1	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 5000	24.0	30.3	30.4	31.2	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 4500	28.7	33.3	33.4	34.2	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 4000	30.8	36.1	36.3	37.0	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 3500	32.5	38.4	38.6	39.7	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 3000	34.1	42.3	42.5	44.0	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 2500	39.4	49.9	50.7	52.7	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 2000	45.2	57.8	59.3	61.9	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 1800	46.7	60.0	61.4	64.2	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 1500	50.7	65.8	67.3	71.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 1200	52.0	67.4	69.7	74.1	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1000	52.8	69.1	71.4	74.8	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 900	52.9	69.4	71.9	76.9	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 800	53.0	69.9	72.4	77.8	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 700	53.0	69.9	72.4	77.8	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 600	53.2	70.0	72.6	78.9	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 500	53.2	70.0	72.6	78.9	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 400	53.2	70.0	72.6	78.9	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 300	53.2	70.0	72.6	78.9	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 200	53.2	70.0	72.6	78.9	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 100	53.2	70.0	72.6	78.9	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 0	53.2	70.0	72.6	78.9	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6

TOTAL NUMBER OF OBSERVATIONS 822

USAF ETAC FORM 7-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	18.9	21.6	22.2	22.6	22.6	22.6	22.7	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 20000	20.2	23.1	23.7	24.0	24.0	24.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 18000	20.2	23.1	23.7	24.0	24.0	24.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 16000	20.2	23.1	23.7	24.0	24.0	24.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 14000	20.2	23.1	23.7	24.0	24.0	24.0	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 12000	21.0	23.9	24.5	24.9	24.9	24.9	25.0	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 10000	21.1	24.0	24.6	25.0	25.0	25.0	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
≥ 9000	21.5	24.4	25.0	25.3	25.3	25.3	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 8000	22.0	24.9	25.4	25.8	25.8	25.8	25.9	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 7000	22.4	25.4	25.8	26.2	26.2	26.2	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 6000	22.8	25.9	26.3	26.6	26.6	26.6	26.7	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 5000	23.2	26.4	26.7	27.1	27.1	27.1	27.2	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
≥ 4500	23.6	26.9	27.1	27.5	27.5	27.5	27.6	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 4000	24.0	27.4	27.6	28.0	28.0	28.0	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 3500	24.4	27.9	28.1	28.5	28.5	28.5	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
≥ 3000	24.8	28.4	28.6	29.0	29.0	29.0	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 2500	25.2	28.9	29.1	29.5	29.5	29.5	29.6	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 2000	25.6	29.4	29.6	30.0	30.0	30.0	30.1	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 1800	26.0	29.9	30.1	30.5	30.5	30.5	30.6	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 1500	26.4	30.4	30.6	31.0	31.0	31.0	31.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1200	26.8	30.9	31.1	31.5	31.5	31.5	31.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 1000	27.2	31.4	31.6	32.0	32.0	32.0	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 900	27.6	31.9	32.1	32.5	32.5	32.5	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 800	28.0	32.4	32.6	33.0	33.0	33.0	33.1	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 700	28.4	32.9	33.1	33.5	33.5	33.5	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 600	28.8	33.4	33.6	34.0	34.0	34.0	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 500	29.2	33.9	34.1	34.5	34.5	34.5	34.6	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 400	29.6	34.4	34.6	35.0	35.0	35.0	35.1	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 300	30.0	34.9	35.1	35.5	35.5	35.5	35.6	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 200	30.4	35.4	35.6	36.0	36.0	36.0	36.1	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 100	30.8	35.9	36.1	36.5	36.5	36.5	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 0	31.2	36.4	36.6	37.0	37.0	37.0	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

444

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	17.4	20.4	21.0	21.2	21.4	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.8
≥ 20000	19.0	22.4	23.0	23.3	23.4	23.4	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 18000	19.1	22.5	23.2	23.5	23.7	23.8	23.8	23.9	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0
≥ 16000	19.4	22.7	23.4	23.7	23.9	24.0	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
≥ 14000	19.9	23.4	24.1	24.4	24.7	24.7	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 12000	20.7	24.5	25.1	25.5	25.7	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 10000	21.5	25.4	26.1	26.5	26.7	26.8	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 9000	21.6	25.6	26.5	26.8	27.1	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 8000	22.5	26.9	27.4	28.1	28.3	28.4	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 7000	22.4	27.5	28.2	28.7	29.0	29.0	29.1	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 6000	23.2	28.0	28.9	29.3	29.6	29.7	29.8	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 5000	24.4	29.0	30.7	31.4	31.7	31.8	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 4500	26.2	32.1	33.1	33.9	34.3	34.5	34.6	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 4000	27.5	33.8	34.8	35.9	36.3	36.4	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 3500	29.0	36.0	37.2	38.4	39.1	39.4	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 3000	31.4	39.4	41.3	42.8	43.6	44.2	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 2500	36.2	46.7	48.9	50.9	52.4	53.4	53.8	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 2000	40.7	53.7	56.9	59.8	61.9	63.9	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 1800	41.7	55.2	58.5	61.6	63.9	65.4	66.4	67.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4
≥ 1500	44.7	60.3	64.3	68.3	71.3	73.8	75.5	76.8	76.8	77.2	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1200	45.5	61.8	66.1	70.7	74.1	77.0	79.1	80.5	81.0	81.5	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1000	46.0	62.9	67.4	72.8	76.8	79.4	82.0	83.8	84.8	85.1	85.7	85.9	85.9	85.9	85.9	85.9
≥ 900	46.2	63.4	68.2	73.3	77.4	80.7	83.2	85.0	85.8	86.6	87.2	87.4	87.4	87.4	87.4	87.4
≥ 800	46.3	63.8	68.5	73.7	78.5	82.1	84.5	87.0	88.1	89.0	89.7	89.9	89.9	89.9	89.9	89.9
≥ 700	46.4	63.9	69.1	74.1	79.3	83.0	86.1	88.5	89.6	90.7	91.5	91.8	91.8	91.8	91.8	91.8
≥ 600	46.4	64.0	69.3	74.5	79.6	83.7	87.0	89.8	90.8	92.0	93.1	93.8	93.8	93.8	93.8	93.8
≥ 500	46.4	64.0	69.4	75.1	79.8	84.2	87.7	90.4	91.8	93.1	94.4	94.7	94.7	94.7	94.7	94.7
≥ 400	46.5	64.1	69.5	75.3	80.2	84.8	88.7	91.4	93.2	94.4	95.9	96.3	96.3	96.3	96.3	96.3
≥ 300	46.5	64.1	69.5	75.4	80.2	85.0	89.0	92.0	93.7	95.1	96.6	97.1	97.1	97.1	97.1	97.1
≥ 200	46.5	64.2	69.6	75.5	80.3	85.1	89.2	92.2	93.9	95.4	97.0	97.7	97.7	97.7	97.7	97.7
≥ 100	46.5	64.2	69.6	75.5	80.3	85.1	89.2	92.2	93.9	95.4	97.0	97.7	97.7	97.7	97.7	97.7
≥ 0	46.5	64.2	69.6	75.5	80.3	85.1	89.2	92.2	93.9	95.4	97.0	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 4445

GLOBAL METEOROLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	20.2	23.6	24.1	24.7	25.2	25.3	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1	26.1	26.1
≥ 20000	22.2	26.5	27.3	28.0	28.5	28.6	29.3	29.3	29.3	29.3	29.3	29.3	29.4	29.5	29.5	29.5
≥ 18000	22.2	26.5	27.3	28.0	28.5	28.6	29.3	29.3	29.3	29.3	29.3	29.3	29.4	29.5	29.5	29.5
≥ 16000	22.3	26.6	27.4	28.1	28.6	28.7	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.7	29.7	29.7
≥ 14000	22.3	26.6	27.4	28.1	28.6	28.7	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.7	29.7	29.7
≥ 12000	22.8	27.3	28.2	28.9	29.4	29.5	30.2	30.2	30.2	30.2	30.2	30.2	30.3	30.4	30.4	30.4
≥ 10000	23.9	28.3	29.3	29.9	30.4	30.6	31.2	31.2	31.2	31.2	31.2	31.2	31.4	31.5	31.5	31.5
≥ 9000	24.4	29.0	29.9	30.6	31.1	31.2	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.2	32.2	32.2
≥ 8000	25.4	29.8	30.7	31.4	31.9	32.0	32.7	32.7	32.7	32.7	32.7	32.7	32.8	32.9	32.9	32.9
≥ 7000	25.2	30.2	31.1	32.2	32.8	33.1	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.1	34.1	34.1
≥ 6000	25.9	31.0	31.9	32.9	33.6	33.9	34.6	34.6	34.6	34.6	34.6	34.6	34.8	34.9	34.9	34.9
≥ 5000	27.3	32.7	33.7	34.8	35.6	35.9	36.7	36.9	36.9	36.9	36.9	36.9	37.0	37.1	37.1	37.1
≥ 4500	30.7	37.0	38.3	39.5	40.3	40.7	41.6	41.7	41.7	41.7	41.7	41.7	41.9	42.0	42.0	42.0
≥ 4000	32.9	39.4	40.8	42.0	43.0	43.6	44.6	44.8	44.8	44.8	44.8	44.8	45.0	45.0	45.0	45.0
≥ 3500	35.4	42.4	43.8	45.3	46.5	47.0	48.3	48.4	48.4	48.4	48.4	48.4	48.6	48.7	48.7	48.7
≥ 3000	38.6	45.9	47.4	49.2	50.7	51.3	52.6	52.8	52.8	52.8	52.8	52.8	53.0	53.1	53.1	53.1
≥ 2500	41.9	50.3	52.6	54.5	56.0	56.7	58.4	58.7	58.7	58.7	58.7	58.7	59.1	59.2	59.2	59.2
≥ 2000	48.0	59.3	62.1	64.2	66.9	68.0	70.1	70.6	70.7	71.0	71.0	71.0	71.1	71.3	71.3	71.3
≥ 1800	48.7	60.6	63.5	65.6	68.4	69.4	71.5	72.0	72.2	72.4	72.4	72.4	72.6	72.7	72.7	72.7
≥ 1500	52.8	67.5	71.3	73.6	77.7	79.3	82.2	83.9	84.0	84.5	84.5	84.5	84.6	84.8	84.8	84.8
≥ 1200	53.5	69.4	73.4	75.7	79.9	81.9	85.4	87.7	87.8	88.3	88.3	88.3	88.5	88.6	88.6	88.6
≥ 1000	53.7	70.1	74.0	76.4	80.7	83.1	86.7	89.0	89.2	90.0	90.0	90.0	90.2	90.3	90.3	90.3
≥ 900	53.7	70.2	74.1	76.5	80.8	83.2	87.0	89.5	89.9	91.1	91.1	91.1	91.2	91.3	91.3	91.3
≥ 800	53.8	70.3	74.2	76.6	81.0	83.3	87.1	89.6	90.0	91.4	91.4	91.4	91.5	91.6	91.6	91.6
≥ 700	53.8	70.7	74.6	77.3	82.2	84.6	88.8	91.3	92.4	93.6	93.6	93.6	93.7	93.8	93.8	93.8
≥ 600	53.9	71.1	75.2	77.7	82.8	85.4	89.6	92.3	93.3	94.5	94.5	94.5	94.6	94.8	94.8	94.8
≥ 500	53.9	71.7	75.7	78.3	83.6	86.2	90.6	93.4	94.6	95.8	96.1	96.1	96.2	96.3	96.3	96.5
≥ 400	53.9	71.7	75.7	78.3	83.6	86.5	91.2	94.4	95.8	97.0	97.4	97.4	97.5	97.9	97.9	98.0
≥ 300	53.9	71.7	75.7	78.3	83.6	86.5	91.2	94.8	96.5	97.6	98.3	98.3	98.3	98.7	98.8	99.0
≥ 200	53.9	71.7	75.7	78.3	83.6	86.5	91.2	95.0	96.7	98.0	99.0	99.0	99.3	99.5	99.5	99.6
≥ 100	53.9	71.7	75.7	78.3	83.6	86.5	91.2	95.0	96.7	98.3	99.3	99.3	99.7	99.9	99.9	100.0
≥ 0	53.9	71.7	75.7	78.3	83.6	86.5	91.2	95.0	96.7	98.3	99.3	99.3	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 762

USAF ETAC FORM 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	17.3	20.6	21.3	21.4	21.7	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
≥ 20000	19.4	23.9	24.7	24.8	25.2	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.7
18000	19.6	23.9	24.7	24.8	25.2	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.7
16000	19.9	24.3	25.1	25.2	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1
14000	19.9	24.3	25.1	25.2	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1
12000	20.1	24.4	25.2	25.3	25.7	25.8	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.2	26.2
10000	21.0	25.6	26.4	26.5	26.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.4	27.4
9000	21.0	25.6	26.4	26.5	26.9	27.0	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.4	27.4
8000	21.7	26.9	27.3	27.4	27.8	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.3	28.3
7000	22.2	27.0	27.8	28.3	29.0	29.3	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.7	29.7
6000	22.6	27.4	28.2	28.7	29.4	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.1	30.1
5000	23.7	30.2	31.1	31.6	32.3	32.8	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.3	33.3
4500	26.9	34.0	35.0	35.6	36.2	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4	37.4
4000	28.3	36.5	37.5	38.1	38.8	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.2	40.2
3500	31.0	39.6	40.9	41.7	42.8	43.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5
3000	34.9	44.9	46.9	48.0	49.1	50.4	50.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3
2500	36.9	48.2	50.3	52.0	53.1	54.6	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6
2000	42.9	56.7	59.2	61.5	63.1	65.2	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7
1800	44.5	58.8	61.3	63.6	65.2	67.3	68.2	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9
1500	48.8	65.4	68.5	71.9	74.8	77.3	78.7	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3
1200	49.6	67.9	71.1	74.9	78.0	81.4	83.7	85.0	85.3	85.4	85.4	85.4	85.4	85.4	85.6	85.6
1000	49.7	68.0	71.8	75.3	79.0	82.9	85.8	87.1	87.5	87.9	88.1	88.1	88.1	88.1	88.2	88.2
900	49.7	68.0	71.8	75.3	79.0	82.9	85.8	87.1	87.5	87.9	88.1	88.1	88.1	88.1	88.2	88.2
800	49.9	68.4	72.2	75.7	79.5	83.4	86.0	87.4	87.8	88.2	88.3	88.3	88.3	88.3	88.5	88.5
700	49.9	68.4	72.2	75.7	79.5	83.4	86.0	87.4	87.8	88.2	88.3	88.3	88.3	88.3	88.5	88.5
600	49.9	68.4	72.2	75.7	79.5	83.4	86.0	87.4	87.8	88.2	88.3	88.3	88.3	88.3	88.5	88.5
500	49.9	69.3	73.5	77.0	81.1	85.7	90.6	92.7	93.4	94.1	94.4	94.4	94.4	94.4	94.6	94.6
400	49.9	69.3	73.5	77.0	81.1	85.7	90.6	92.7	93.4	94.1	94.4	94.4	94.4	94.4	94.6	94.6
300	49.9	69.7	73.9	77.4	81.5	86.2	91.5	94.4	95.4	96.2	97.1	97.4	97.4	97.4	97.6	97.6
200	49.9	69.7	73.9	77.4	81.5	86.2	91.5	94.4	95.4	96.2	97.1	97.4	97.4	97.4	97.6	97.6
100	49.9	69.8	74.0	77.7	81.8	86.6	92.0	95.0	96.1	97.1	98.6	98.8	99.2	99.5	99.6	99.6
0	49.9	69.8	74.0	77.7	81.8	86.6	92.0	95.0	96.1	97.1	98.6	98.8	99.2	99.5	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 262

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0000
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	14.7	17.5	17.8	18.5	18.6	19.0	19.4	19.4	19.4	19.6	19.6	19.6	19.6	19.6	19.6	19.6
≥ 20000	16.7	19.6	19.9	20.6	20.7	21.3	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8
IV 18000	16.8	19.7	20.1	20.7	20.9	21.4	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.9	22.0
IV 16000	16.9	19.8	20.2	20.9	21.0	21.5	21.9	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.2
IV 14000	17.5	20.3	20.9	21.5	21.7	22.3	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	23.0
IV 12000	18.0	21.1	21.7	22.3	22.4	23.1	23.5	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.8
IV 10000	19.8	23.9	24.4	25.1	25.2	25.9	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.5
IV 9000	20.2	24.3	24.8	25.5	25.6	26.2	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.9
IV 8000	20.7	25.1	25.7	26.4	26.5	27.2	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.8
IV 7000	21.1	25.5	26.1	26.9	27.2	27.8	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.5
IV 6000	21.8	26.2	27.0	28.0	28.2	28.9	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.5
IV 5000	23.5	28.5	29.3	30.3	30.7	31.5	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.8
IV 4500	25.1	30.6	31.5	32.8	33.2	34.0	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	35.0
IV 4000	26.4	32.7	33.6	35.0	35.6	36.6	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.7
IV 3500	28.2	35.8	37.3	39.0	40.0	41.2	42.0	42.0	42.0	42.1	42.3	42.3	42.3	42.3	42.3	42.4
IV 3000	31.5	40.2	42.1	44.0	45.3	47.0	48.2	48.4	48.4	48.7	48.8	48.8	48.8	48.8	48.8	49.0
IV 2500	34.0	44.9	46.9	49.2	50.9	52.8	54.1	54.3	54.3	54.6	54.7	54.7	54.7	54.7	54.7	54.9
IV 2000	37.5	50.3	53.4	56.2	58.9	61.2	63.5	64.2	64.3	64.7	64.8	64.8	64.8	64.8	64.8	65.0
IV 1800	38.5	51.8	54.7	57.5	60.4	62.7	65.4	66.1	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.9
IV 1500	42.4	58.5	62.1	65.6	69.2	72.4	75.5	76.8	76.9	77.3	77.7	77.7	77.7	77.7	77.7	77.8
IV 1200	43.2	60.9	64.8	68.8	72.7	77.0	80.4	82.2	82.4	82.9	83.5	83.5	83.5	83.5	83.5	83.6
IV 1000	43.6	62.3	66.7	71.0	75.6	80.2	83.9	86.5	87.0	87.7	88.2	88.2	88.3	88.3	88.3	88.5
IV 900	44.0	62.6	67.1	71.4	76.1	80.7	84.4	87.0	87.7	88.3	88.8	88.8	89.0	89.0	89.0	89.1
IV 800	44.1	63.0	67.5	72.0	77.0	81.8	85.8	88.2	89.2	89.9	90.4	90.6	90.7	90.7	90.7	90.8
IV 700	44.1	63.1	67.7	72.4	77.6	82.3	86.2	89.0	90.0	90.7	91.2	91.3	91.6	91.6	91.6	91.7
IV 600	44.1	63.4	68.1	73.0	78.2	83.2	87.4	90.3	91.5	92.3	92.9	93.0	93.4	93.4	93.4	93.6
IV 500	44.1	63.5	68.2	73.2	78.6	83.7	87.9	91.2	92.8	93.7	94.6	94.8	95.1	95.1	95.1	95.3
IV 400	44.1	63.5	68.2	73.2	78.6	84.0	88.3	92.1	94.1	95.0	96.1	96.2	96.6	96.7	96.9	97.0
IV 300	44.1	63.6	68.4	73.4	79.0	84.3	89.1	93.0	95.0	96.2	97.4	97.6	98.2	98.3	98.4	98.6
IV 200	44.1	63.6	68.4	73.4	79.0	84.4	89.4	93.3	95.3	96.6	98.0	98.3	99.0	99.1	99.3	99.5
IV 100	44.1	63.6	68.4	73.4	79.0	84.4	89.4	93.3	95.3	96.7	98.2	98.4	99.1	99.2	99.6	99.7
IV 0	44.1	63.6	68.4	73.4	79.0	84.4	89.4	93.3	95.3	96.7	98.2	98.4	99.1	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 762

USAF ETAC FORM 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

FEF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0800-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	13.8	18.4	19.9	21.1	21.7	22.2	22.3	22.3	22.4	22.8	23.0	23.0	23.0	23.0	23.2	23.2
≥ 20000	15.4	20.2	21.8	23.0	23.5	24.8	24.5	24.5	24.7	25.1	25.3	25.3	25.3	25.3	25.6	25.6
≥ 18000	15.5	20.3	21.9	23.1	23.8	24.8	24.9	24.9	25.1	25.5	25.7	25.7	25.7	25.7	26.0	26.0
≥ 16000	15.7	20.6	22.2	23.5	24.1	25.2	25.3	25.3	25.5	25.9	26.1	26.1	26.1	26.1	26.4	26.4
≥ 14000	16.0	21.1	22.8	24.1	24.8	26.0	26.1	26.1	26.2	26.6	26.9	26.9	26.9	26.9	27.2	27.2
≥ 12000	16.6	22.6	24.4	25.7	26.5	27.7	27.8	27.8	28.0	28.3	28.6	28.6	28.6	28.6	28.9	28.9
≥ 10000	18.6	24.8	26.6	28.0	28.7	29.9	30.2	30.2	30.3	30.7	31.0	31.0	31.0	31.0	31.2	31.2
≥ 9000	19.0	25.6	27.6	28.9	29.8	31.0	31.2	31.2	31.4	31.8	32.0	32.0	32.0	32.0	32.3	32.3
≥ 8000	21.1	28.2	30.2	31.8	32.8	34.0	34.3	34.3	34.4	34.8	35.0	35.0	35.0	35.0	35.3	35.3
≥ 7000	21.9	29.5	31.6	33.6	34.6	35.8	36.2	36.2	36.4	36.7	37.0	37.0	37.0	37.0	37.3	37.3
≥ 6000	22.3	30.1	32.3	34.3	35.3	36.5	37.0	37.0	37.1	37.5	37.8	37.8	37.8	37.8	38.1	38.1
≥ 5000	23.8	31.9	34.6	36.6	37.8	39.1	39.8	40.0	40.2	40.6	40.8	40.8	40.8	40.8	41.1	41.1
≥ 4500	25.1	34.8	37.5	39.6	40.8	42.1	42.8	43.0	43.2	43.6	43.8	43.8	43.8	43.8	44.1	44.1
≥ 4000	26.0	36.1	39.0	41.1	42.4	43.7	44.8	44.6	44.8	45.1	45.4	45.4	45.4	45.4	45.7	45.7
≥ 3500	26.5	37.4	40.7	42.8	44.2	45.8	46.7	47.4	47.8	48.3	48.6	48.6	48.6	48.6	48.8	48.8
≥ 3000	27.6	40.8	44.4	46.9	49.0	50.8	51.8	52.6	53.0	53.5	53.8	53.8	53.8	53.8	54.1	54.1
≥ 2500	29.4	44.5	48.8	51.6	53.7	55.9	57.2	58.3	58.7	59.4	60.0	60.1	60.1	60.1	60.4	60.4
≥ 2000	32.4	49.2	54.3	58.1	61.2	64.2	65.9	67.3	67.8	68.8	69.6	69.7	69.7	69.7	69.9	69.9
≥ 1800	32.7	50.0	55.2	59.4	62.6	65.9	67.8	69.4	69.9	70.9	71.7	71.8	71.8	71.8	72.0	72.0
≥ 1500	34.9	54.1	60.0	64.8	69.0	72.6	74.8	76.9	77.6	78.6	79.8	79.9	79.9	79.9	80.2	80.2
≥ 1200	35.0	54.5	60.8	66.3	70.6	74.9	77.2	79.5	80.2	81.4	82.8	83.1	83.1	83.1	83.3	83.3
≥ 1000	35.0	55.1	61.4	67.6	72.6	77.2	79.5	81.9	83.3	85.2	87.1	87.4	87.7	87.7	87.9	87.9
≥ 900	35.0	55.1	61.4	67.6	72.7	77.4	80.1	82.5	84.1	86.0	87.9	88.2	88.5	88.5	88.7	88.7
≥ 800	35.0	55.2	61.8	68.1	73.8	78.7	81.8	84.1	85.8	88.1	90.8	91.1	91.3	91.3	91.6	91.6
≥ 700	35.0	55.4	62.1	68.5	75.1	80.2	83.1	86.0	87.8	90.2	93.3	93.6	94.0	94.1	94.4	94.4
≥ 600	35.0	55.4	62.1	68.5	75.1	80.2	83.1	86.0	87.8	90.2	93.3	93.6	94.0	94.1	94.4	94.4
≥ 500	35.0	55.4	62.1	68.6	75.3	80.4	83.3	86.2	88.3	90.8	95.0	95.4	95.8	95.9	96.2	96.2
≥ 400	35.0	55.4	62.1	68.6	75.5	80.7	83.9	86.9	89.2	92.0	96.5	96.9	97.6	97.8	98.0	98.0
≥ 300	35.0	55.4	62.1	68.6	75.7	81.1	84.4	87.7	90.2	92.9	97.5	97.9	98.8	99.1	99.3	99.3
≥ 200	35.0	55.4	62.1	68.6	75.7	81.1	84.4	87.7	90.2	93.0	97.8	98.2	99.1	99.5	99.9	99.9
≥ 100	35.0	55.4	62.1	68.6	75.7	81.1	84.4	87.7	90.2	93.0	97.8	98.2	99.1	99.5	100.0	100.0
≥ 0	35.0	55.4	62.1	68.6	75.7	81.1	84.4	87.7	90.2	93.0	97.8	98.2	99.1	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 742

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1800
HOURS -1511

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	16.4	20.5	21.1	21.5	21.8	21.8	21.8	22.0	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
IV 20000	18.1	22.8	23.6	24.4	24.7	24.7	24.7	24.9	25.2	25.2	25.5	25.5	25.5	25.5	25.5	25.5
IV 18000	18.4	23.5	24.4	25.2	25.5	25.5	25.5	25.7	26.0	26.0	26.2	26.2	26.2	26.2	26.2	26.2
IV 16000	19.0	24.1	25.1	25.9	26.1	26.1	26.1	26.4	26.6	26.6	26.9	26.9	26.9	26.9	26.9	26.9
IV 14000	19.3	24.7	25.6	26.4	26.6	26.6	26.6	26.9	27.2	27.2	27.4	27.4	27.4	27.4	27.4	27.4
IV 12000	19.9	26.2	27.2	28.0	28.2	28.2	28.2	28.5	28.7	28.7	29.0	29.0	29.0	29.0	29.0	29.0
IV 10000	22.4	29.0	29.9	30.7	31.0	31.0	31.0	31.2	31.5	31.5	31.8	31.8	31.8	31.8	31.8	31.8
IV 9000	23.5	30.4	31.4	32.2	32.5	32.5	32.5	32.8	33.1	33.1	33.3	33.3	33.3	33.3	33.3	33.3
IV 8000	24.8	32.3	33.5	34.4	35.0	35.0	35.0	35.3	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8
IV 7000	25.1	32.7	33.9	34.8	35.4	35.4	35.4	35.7	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2
IV 6000	25.7	33.3	34.6	35.6	36.2	36.2	36.4	36.6	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1
IV 5000	27.3	35.3	36.6	37.7	38.7	38.8	39.4	39.6	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2
IV 4500	29.9	38.8	40.4	41.6	42.7	42.8	43.4	43.7	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2
IV 4000	31.0	40.7	42.5	43.7	44.9	45.1	46.1	46.3	46.6	46.6	46.9	46.9	46.9	46.9	46.9	46.9
IV 3500	32.0	42.5	44.4	45.5	47.1	47.5	48.7	49.1	49.3	49.3	49.6	49.6	49.6	49.7	49.7	49.7
IV 3000	32.9	44.9	46.9	48.2	50.5	51.0	52.4	53.1	53.4	53.5	53.8	53.9	54.1	54.2	54.2	54.2
IV 2500	37.0	50.1	52.8	55.0	57.6	58.5	60.1	60.8	61.0	61.2	61.4	61.5	61.7	61.8	61.8	61.8
IV 2000	40.0	55.4	58.4	61.8	65.7	67.2	69.6	70.3	70.7	71.1	71.5	71.7	71.8	71.9	71.9	71.9
IV 1800	40.2	56.2	59.6	63.4	67.7	69.3	72.0	72.8	73.2	73.6	74.1	74.3	74.4	74.5	74.5	74.5
IV 1500	40.9	59.8	64.3	68.5	73.9	76.9	80.8	82.2	82.9	83.5	84.3	84.4	84.5	84.6	84.6	84.6
IV 1200	41.5	61.5	66.1	70.6	76.4	79.8	84.3	85.7	86.7	87.3	88.1	88.2	88.3	88.5	88.5	88.5
IV 1000	41.5	61.5	66.5	71.9	78.2	81.8	86.6	88.1	89.2	90.2	91.1	91.5	91.6	91.7	91.7	91.7
IV 900	41.6	61.7	66.9	72.3	78.6	82.3	87.4	88.8	90.3	91.2	92.4	92.9	93.0	93.2	93.3	93.3
IV 800	41.6	61.7	67.2	72.8	79.3	83.2	88.5	90.3	92.1	93.2	94.6	95.1	95.3	95.4	95.5	95.5
IV 700	41.6	61.7	67.2	72.8	79.4	83.5	88.7	90.6	92.4	93.4	95.1	95.7	95.8	95.9	96.1	96.1
IV 600	41.6	61.7	67.2	72.8	79.5	83.7	89.2	91.2	93.0	94.1	95.8	96.3	96.5	96.7	96.9	96.9
IV 500	41.7	61.8	67.3	73.0	79.9	84.1	89.6	91.9	94.0	95.1	97.0	97.5	97.6	98.0	98.2	98.2
IV 400	41.7	61.8	67.3	73.0	79.9	84.3	89.8	92.0	94.1	95.3	97.1	97.6	97.8	98.3	98.4	98.4
IV 300	41.7	61.8	67.3	73.0	79.9	84.5	90.0	92.5	94.6	95.9	97.8	98.3	98.4	99.0	99.1	99.1
IV 200	41.7	61.8	67.3	73.0	79.9	84.5	90.0	92.5	94.8	96.1	98.0	98.6	98.8	99.5	99.7	99.7
IV 100	41.7	61.8	67.3	73.0	79.9	84.5	90.0	92.5	94.8	96.1	98.2	98.8	99.1	99.7	100.0	100.0
IV 0	41.7	61.8	67.3	73.0	79.9	84.5	90.0	92.5	94.8	96.1	98.2	98.8	99.1	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

559

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	18.0	22.3	22.7	23.1	23.2	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 18000	21.0	25.9	26.4	26.9	27.2	27.4	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 16000	21.1	26.1	26.6	27.2	27.4	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥ 14000	21.5	26.5	27.0	27.6	27.8	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 12000	22.2	27.4	28.0	28.5	28.7	29.0	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 10000	22.8	28.6	29.1	29.8	30.1	30.3	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 9000	24.4	30.8	31.5	32.3	32.5	32.8	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 8000	25.2	31.8	32.4	33.2	33.5	33.7	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 7000	27.0	34.4	35.0	36.0	36.2	36.5	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 6000	27.3	34.8	35.4	36.4	36.6	36.9	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 5000	28.3	36.1	37.0	38.1	38.3	38.6	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 4500	29.1	37.5	38.4	40.0	40.4	40.8	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 4000	31.0	40.0	41.5	42.9	43.7	44.6	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 3500	32.7	42.4	44.4	46.3	47.5	48.4	49.0	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 3000	33.9	43.7	45.8	48.4	49.6	50.9	51.3	51.7	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1
≥ 2500	36.6	46.9	49.2	51.8	53.3	54.7	55.2	55.6	55.9	56.0	56.0	56.0	56.2	56.2	56.2	56.2
≥ 2000	38.8	51.4	54.2	57.2	58.8	60.9	61.7	62.1	62.5	62.6	62.7	62.9	63.0	63.1	63.1	63.1
≥ 1800	42.0	58.0	61.9	66.7	68.4	70.7	71.7	72.2	72.7	73.0	73.1	73.4	73.5	73.6	73.6	73.6
≥ 1500	42.9	59.7	63.6	68.5	70.2	72.6	73.5	74.1	74.7	74.9	75.2	75.5	75.6	75.7	75.7	75.7
≥ 1200	43.8	63.9	68.8	74.9	78.0	80.7	82.0	83.1	83.7	84.0	84.3	84.5	84.8	84.8	84.8	84.8
≥ 1000	44.0	64.4	69.9	75.9	79.8	82.9	84.5	85.6	86.4	86.7	87.1	87.4	87.7	87.8	87.8	87.8
≥ 900	44.0	65.0	70.6	77.0	81.9	84.8	86.5	87.8	88.6	89.1	89.8	90.0	90.3	90.4	90.4	90.4
≥ 800	44.1	65.1	70.7	77.3	82.4	86.0	87.8	89.1	90.3	91.1	92.0	92.3	92.7	92.8	92.8	92.8
≥ 700	44.1	65.1	70.7	77.7	82.8	86.6	88.6	90.2	91.6	92.4	93.6	94.2	94.6	94.8	94.8	94.8
≥ 600	44.1	65.1	70.7	78.0	83.2	87.0	89.1	90.8	92.3	93.2	94.5	95.3	95.7	95.8	95.8	95.8
≥ 500	44.1	65.1	70.7	78.1	83.3	87.1	89.2	91.1	92.5	93.6	95.1	96.1	96.7	97.0	97.1	97.1
≥ 400	44.1	65.1	70.7	78.2	83.3	87.3	89.4	91.2	92.8	93.8	95.5	96.4	97.2	97.5	97.6	97.6
≥ 300	44.1	65.1	70.7	78.2	83.3	87.3	89.4	91.2	92.9	94.2	96.1	97.1	97.8	98.7	99.0	99.0
≥ 200	44.1	65.1	70.7	78.2	83.3	87.3	89.4	91.2	93.0	94.5	96.7	97.8	98.4	99.3	99.7	99.7
≥ 100	44.1	65.1	70.7	78.2	83.3	87.3	89.4	91.2	93.0	94.5	96.7	97.8	98.4	99.3	99.7	99.7
≥ 0	44.1	65.1	70.7	78.2	83.3	87.3	89.4	91.2	93.0	94.5	96.7	97.8	98.4	99.3	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 742

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1980-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	22.6	26.4	27.0	27.3	27.4	27.7	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥ 20000	26.0	31.1	31.8	32.2	32.4	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 18000	26.4	31.5	32.2	32.6	32.8	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 16000	26.8	32.0	32.7	33.1	33.3	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
IV 14000	27.0	32.3	32.9	33.3	33.6	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
IV 12000	27.7	33.1	33.5	33.9	34.2	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 10000	28.6	34.0	35.4	35.8	36.1	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 9000	29.1	35.3	36.0	36.4	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 8000	29.8	36.7	37.4	37.8	38.1	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
IV 7000	30.4	37.8	38.5	38.9	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 6000	30.4	37.8	38.5	38.9	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 5000	33.1	41.2	42.0	42.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 4500	36.2	45.0	45.9	46.9	47.4	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 4000	37.4	47.2	48.2	49.2	50.1	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 3500	39.8	50.8	51.0	52.2	53.0	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 3000	41.2	52.9	53.1	55.9	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 2500	45.4	59.4	61.2	63.1	64.7	65.6	65.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 2000	49.5	63.8	67.1	69.8	71.9	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 1800	50.8	66.1	68.5	71.4	73.8	74.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1500	52.0	70.1	73.2	76.5	79.9	81.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1200	52.4	71.2	74.7	78.4	81.5	83.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000	52.8	71.8	75.5	79.5	82.8	85.3	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 900	52.8	72.4	76.1	80.2	83.5	86.1	88.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 800	53.0	73.0	77.0	81.9	85.0	88.1	90.0	91.2	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 700	53.1	73.4	77.4	82.3	86.3	89.1	91.3	92.7	93.3	94.1	94.4	94.7	94.9	94.9	94.9	94.9
IV 600	53.1	73.8	77.8	82.9	86.1	89.3	91.6	92.9	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 500	53.3	73.5	77.6	82.5	86.4	89.4	92.8	93.3	94.2	95.1	95.4	95.6	95.9	96.0	96.0	96.0
IV 400	53.5	73.8	77.8	82.5	86.8	89.8	92.7	94.0	95.1	96.1	97.3	97.9	98.5	98.6	98.6	98.6
IV 300	53.3	73.6	77.7	82.8	86.7	90.0	92.9	94.4	95.5	96.5	97.9	98.5	98.8	99.0	99.0	99.0
IV 200	53.3	73.6	77.7	82.8	86.7	90.0	92.9	94.4	95.5	96.5	97.9	98.5	98.8	99.0	99.0	99.0
IV 100	53.3	73.6	77.7	82.8	86.7	90.0	92.9	94.4	95.5	96.5	97.9	98.5	98.8	99.0	99.0	99.0
IV 0	53.3	73.6	77.7	82.8	86.7	90.0	92.9	94.4	95.5	96.5	97.9	98.5	98.8	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 362

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS, NY

73-01

550

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	21.3	25.3	26.0	26.8	27.7	27.7	28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 20000	21.3	25.3	26.0	26.8	27.7	27.7	28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 18000	23.9	28.3	29.0	29.9	30.8	30.8	31.4	31.4	31.4	31.5	31.5	31.5	31.6	31.6	31.6	31.6
≥ 16000	28.8	29.1	29.8	30.7	31.6	31.6	32.2	32.2	32.2	32.3	32.3	32.3	32.4	32.4	32.4	32.4
≥ 14000	24.5	29.4	30.1	31.0	31.9	31.9	32.4	32.4	32.4	32.5	32.5	32.5	32.7	32.7	32.7	32.7
≥ 12000	25.3	30.3	31.0	31.9	32.8	32.8	33.3	33.3	33.3	33.4	33.4	33.4	33.6	33.6	33.6	33.6
≥ 10000	26.0	31.0	31.6	32.5	33.5	33.5	34.0	34.0	34.0	34.1	34.1	34.1	34.3	34.3	34.3	34.3
≥ 9000	26.8	31.8	32.4	33.3	34.3	34.3	34.8	34.8	34.8	34.9	34.9	34.9	35.0	35.0	35.0	35.0
≥ 8000	27.3	32.4	33.1	34.0	34.9	34.9	35.4	35.4	35.4	35.5	35.5	35.5	35.7	35.7	35.7	35.7
≥ 7000	27.6	32.8	33.4	34.3	35.3	35.3	35.8	35.8	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0
≥ 6000	27.6	32.8	33.4	34.3	35.3	35.3	35.8	35.8	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0
≥ 5000	29.1	34.9	35.7	37.8	38.8	38.8	39.1	39.1	39.1	39.2	39.2	39.2	39.3	39.3	39.3	39.3
≥ 4500	32.7	39.2	40.4	42.8	43.8	43.8	44.1	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3	44.3
≥ 4000	35.0	41.9	43.3	45.7	46.9	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3
≥ 3500	36.9	44.9	46.3	48.7	49.9	49.9	50.1	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.3	50.3
≥ 3000	40.0	49.9	51.0	53.8	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6
≥ 2500	43.8	56.0	57.7	61.0	62.9	62.9	63.4	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.6
≥ 2000	47.9	62.8	64.8	68.1	70.7	70.7	71.3	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5
≥ 1800	49.0	64.4	66.9	70.2	72.8	72.8	73.8	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0
≥ 1500	51.8	69.4	71.9	76.5	79.8	79.8	81.2	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4
≥ 1200	52.1	70.6	73.4	78.2	81.6	81.6	83.2	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4
≥ 1000	52.9	72.0	75.1	80.2	83.4	83.4	85.8	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥ 900	52.8	72.6	75.6	80.7	84.1	84.1	86.1	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3
≥ 800	53.3	73.3	76.2	81.4	85.3	85.3	87.3	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5
≥ 700	53.3	73.4	76.9	82.4	86.2	86.2	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4
≥ 600	53.4	73.9	77.7	82.8	86.6	86.6	88.7	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9
≥ 500	53.4	73.9	77.2	82.8	86.7	86.7	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0
≥ 400	53.4	73.9	77.2	82.8	86.9	86.9	89.2	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4
≥ 300	53.4	73.9	77.2	82.8	86.9	86.9	89.2	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4
≥ 200	53.4	73.9	77.2	82.8	86.9	86.9	89.2	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4
≥ 100	53.4	73.9	77.2	82.8	86.9	86.9	89.2	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4
≥ 0	53.4	73.9	77.2	82.8	86.9	86.9	89.2	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4

TOTAL NUMBER OF OBSERVATIONS 242

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	18.0	21.8	22.5	23.0	23.4	23.6	23.9	23.9	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1
≥ 20000	20.3	24.8	25.6	26.2	26.6	26.9	27.2	27.2	27.3	27.3	27.4	27.4	27.4	27.5	27.5	27.5
≥ 18000	20.5	25.0	25.8	26.4	26.9	27.1	27.4	27.5	27.5	27.6	27.7	27.7	27.7	27.7	27.8	27.8
≥ 16000	20.8	25.4	26.2	26.9	27.3	27.6	27.8	27.9	27.9	28.0	28.1	28.1	28.1	28.1	28.2	28.2
≥ 14000	21.1	25.8	26.6	27.3	27.7	28.0	28.3	28.3	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7
≥ 12000	21.7	26.8	27.6	28.3	28.8	29.1	29.4	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.7	29.7
≥ 10000	23.1	28.5	29.4	30.1	30.8	30.9	31.2	31.2	31.3	31.3	31.4	31.4	31.4	31.5	31.5	31.5
≥ 9000	23.7	29.2	30.1	30.8	31.3	31.6	31.9	32.0	32.0	32.1	32.2	32.2	32.2	32.2	32.3	32.3
≥ 8000	24.7	30.7	31.6	32.4	32.9	33.2	33.5	33.6	33.6	33.7	33.8	33.8	33.8	33.9	33.9	33.9
≥ 7000	25.1	31.3	32.3	33.1	33.8	34.3	34.6	34.7	34.7	34.8	34.9	34.9	34.9	34.9	35.0	35.0
≥ 6000	25.6	31.9	32.9	34.0	34.6	34.9	35.3	35.4	35.4	35.5	35.6	35.6	35.6	35.6	35.7	35.7
≥ 5000	27.2	34.0	35.2	36.5	37.2	37.7	38.2	38.3	38.4	38.5	38.5	38.5	38.5	38.6	38.6	38.6
≥ 4500	29.7	37.4	38.8	40.2	41.0	41.6	42.2	42.3	42.3	42.4	42.5	42.5	42.5	42.5	42.6	42.6
≥ 4000	31.3	39.6	41.2	42.7	43.7	44.3	45.0	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.4	45.4
≥ 3500	33.0	42.0	43.8	45.5	46.6	47.5	48.2	48.4	48.5	48.6	48.7	48.7	48.8	48.8	48.8	48.9
≥ 3000	35.4	45.7	47.8	49.7	51.3	52.5	53.2	53.5	53.6	53.8	53.9	53.9	54.0	54.0	54.0	54.1
≥ 2500	38.4	50.6	53.1	55.4	57.2	58.5	59.6	59.9	60.1	60.3	60.4	60.5	60.6	60.6	60.7	60.7
≥ 2000	42.5	57.0	60.1	63.3	65.8	67.7	69.1	69.7	70.0	70.3	70.5	70.5	70.6	70.7	70.7	70.7
≥ 1800	43.3	58.8	61.6	65.0	67.6	69.5	71.1	71.7	72.0	72.3	72.5	72.6	72.7	72.7	72.8	72.8
≥ 1500	45.9	63.5	67.6	71.6	75.2	77.7	80.0	81.3	81.6	82.1	82.3	82.5	82.6	82.6	82.7	82.7
≥ 1200	46.4	65.0	69.3	73.6	77.6	80.6	83.3	84.8	85.3	85.8	86.3	86.4	86.5	86.5	86.6	86.6
≥ 1000	46.6	65.7	70.2	74.8	79.2	82.5	85.8	87.1	87.7	88.5	89.1	89.2	89.5	89.5	89.5	89.5
≥ 900	46.7	65.9	70.6	75.1	79.5	83.8	86.1	87.9	88.6	89.4	90.1	90.3	90.4	90.5	90.5	90.6
≥ 800	46.8	66.2	70.9	75.7	80.8	84.1	87.3	89.3	90.3	91.3	92.2	92.4	92.5	92.6	92.7	92.7
≥ 700	46.9	66.5	71.2	76.2	81.1	84.8	88.3	90.3	91.4	92.5	93.5	93.7	93.9	94.0	94.0	94.1
≥ 600	46.9	66.6	71.4	76.5	81.5	85.5	89.0	91.2	92.4	93.9	94.5	94.8	95.0	95.1	95.2	95.3
≥ 500	46.9	66.8	71.5	76.7	81.9	85.7	89.5	91.9	93.2	94.4	95.8	96.1	96.4	96.5	96.6	96.6
≥ 400	46.9	66.8	71.6	76.7	82.0	85.9	89.9	92.8	94.0	95.3	96.8	97.1	97.5	97.7	97.8	97.8
≥ 300	46.9	66.8	71.6	76.8	82.1	86.1	90.2	93.0	94.6	95.9	97.5	97.9	98.3	98.6	98.8	98.8
≥ 200	46.9	66.9	71.6	76.9	82.2	86.2	90.3	93.3	94.9	96.4	98.3	98.7	99.2	99.6	99.8	99.9
≥ 100	46.9	66.9	71.6	76.9	82.2	86.2	90.3	93.3	94.9	96.4	98.3	98.7	99.2	99.6	99.8	99.9
≥ 0	46.9	66.9	71.6	76.9	82.2	86.2	90.3	93.3	94.9	96.4	98.3	98.7	99.2	99.6	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 6034

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	33.0	36.3	36.7	36.9	37.2	37.3	37.5	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	34.4	38.4	38.7	39.1	39.3	39.4	39.7	40.3	40.3	40.4	40.4	40.5	40.5	40.5	40.5	40.5
IV 18000	34.8	38.5	38.8	39.2	39.4	39.5	39.8	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 16000	34.9	38.5	38.8	39.2	39.4	39.5	39.8	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 14000	35.4	39.2	39.5	39.9	40.1	40.3	40.5	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 12000	36.0	40.1	40.5	40.9	41.3	41.5	41.7	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 10000	37.2	41.8	41.8	42.2	42.7	42.8	43.0	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 9000	37.2	41.8	41.8	42.2	42.7	42.8	43.0	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 8000	39.1	43.4	44.0	44.3	44.8	44.8	45.2	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 7000	39.7	43.2	43.7	44.0	44.5	44.5	45.0	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 6000	40.5	45.0	45.5	45.9	46.5	46.5	46.8	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 5000	43.5	49.3	49.8	50.0	51.0	51.1	51.8	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 4500	45.1	52.8	53.3	54.1	54.8	55.1	55.4	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 4000	48.8	56.8	57.2	58.1	58.8	59.0	59.8	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 3500	50.1	59.1	59.4	60.7	61.4	61.9	62.2	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 3000	52.3	63.2	63.8	64.9	65.8	66.1	66.8	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 2500	58.1	70.1	71.0	72.2	73.2	73.5	74.0	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	60.7	74.3	75.1	76.9	78.1	78.5	79.2	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	60.9	74.9	75.9	77.9	79.1	79.6	80.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 1500	63.0	78.4	79.9	82.0	83.4	84.0	84.8	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1200	63.4	79.8	81.0	83.4	85.2	86.0	86.8	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	63.9	80.0	81.5	84.5	86.5	87.5	88.1	89.6	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 900	64.0	80.2	82.0	84.7	86.7	87.7	88.3	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	64.2	80.6	82.6	85.9	88.3	89.2	89.8	91.4	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2
IV 700	64.4	81.2	83.2	86.6	89.1	90.1	90.8	92.4	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	64.9	81.7	83.5	87.1	89.5	90.5	91.2	92.7	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 500	64.4	81.4	83.4	87.5	90.1	91.2	91.9	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 400	64.5	81.5	83.5	87.7	90.3	91.4	92.1	94.1	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 300	64.5	81.6	84.0	87.9	90.6	91.9	93.0	95.3	95.9	96.3	96.9	97.1	97.3	97.3	97.3	97.3
IV 200	64.5	81.6	84.0	88.1	90.7	92.0	93.1	95.7	96.3	96.8	97.5	97.7	98.0	98.0	98.0	98.0
IV 100	64.5	81.6	84.0	88.1	90.7	92.0	93.1	95.7	96.3	96.8	97.5	97.7	98.0	98.0	98.0	98.0
IV 0	64.5	81.6	84.0	88.1	90.7	92.0	93.1	95.7	96.3	96.8	97.5	97.7	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

NAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	29.4	32.6	32.7	33.0	33.1	33.3	33.6	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9
IV 18000	32.4	35.5	35.7	36.0	36.1	36.3	36.6	36.8	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2
IV 16000	32.4	35.7	36.0	36.2	36.3	36.6	36.8	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2
IV 14000	32.5	36.0	36.2	36.4	36.6	36.8	37.0	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4
IV 12000	33.5	37.0	37.3	37.5	37.9	38.2	38.5	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8
IV 10000	34.5	38.5	38.7	39.1	39.8	39.9	40.1	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5
IV 9000	34.5	38.5	38.7	39.1	39.8	39.9	40.1	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5
IV 8000	36.4	40.5	40.7	41.1	41.6	41.9	42.2	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5
IV 7000	37.6	41.8	42.1	42.4	42.9	43.2	43.5	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8
IV 6000	38.7	42.9	43.4	43.8	44.4	44.8	45.2	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5
IV 5000	40.9	46.7	47.7	48.1	48.9	49.2	49.5	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8
IV 4500	44.3	51.7	52.7	53.2	54.2	54.6	54.8	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
IV 4000	46.6	54.2	55.3	55.8	56.9	57.3	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
IV 3500	49.7	58.8	60.0	60.5	61.6	62.2	62.9	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8
IV 3000	52.3	62.8	64.4	65.2	66.5	67.3	67.5	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9
IV 2500	55.8	67.6	69.5	70.7	72.4	73.1	73.4	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
IV 2000	58.8	72.4	75.0	76.5	78.3	79.2	79.7	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 1800	59.1	73.1	75.9	77.3	79.1	80.0	80.9	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4
IV 1500	61.6	76.3	79.9	81.6	83.6	85.6	85.1	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	62.1	77.5	81.4	83.2	85.4	86.6	87.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5
IV 1000	62.5	78.5	82.7	84.7	87.2	88.5	89.4	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
IV 900	62.5	79.0	83.2	85.2	87.7	89.0	89.8	90.7	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
IV 800	62.8	79.3	83.5	85.7	88.2	89.5	90.4	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6
IV 700	63.2	79.8	84.0	86.1	88.6	90.2	91.2	92.4	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7
IV 600	63.2	79.8	84.2	86.3	89.2	90.9	92.1	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7
IV 500	63.4	80.2	84.7	87.1	89.8	91.6	92.8	94.1	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6
IV 400	63.8	80.9	85.4	87.9	90.7	92.6	94.0	95.3	95.5	95.6	95.9	95.9	95.9	95.9	95.9	95.9
IV 300	63.9	81.0	85.5	88.1	90.8	92.7	94.1	95.7	96.1	96.2	97.0	97.0	97.1	97.1	97.1	97.1
IV 200	63.9	81.0	85.5	88.1	90.8	92.8	94.4	96.1	96.5	96.9	98.0	98.1	98.3	98.4	98.6	98.6
IV 100	63.9	81.0	85.5	88.1	90.8	92.8	94.4	96.1	96.5	96.9	98.1	98.2	98.6	98.7	98.9	99.2
IV 0	63.9	81.0	85.5	88.1	90.8	92.8	94.4	96.1	96.5	96.9	98.1	98.2	98.6	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	21.3	25.2	26.0	27.2	28.6	28.9	29.4	29.6	29.6	29.7	29.7	29.7	30.0	30.0	30.0	30.1
≥ 20000	28.3	28.8	29.7	30.9	32.8	32.7	33.2	33.6	33.5	33.6	33.6	33.6	33.8	33.8	33.8	33.9
IV 18000	24.3	26.8	29.7	30.9	32.4	32.7	33.2	33.5	33.5	33.6	33.6	33.6	33.8	33.8	33.8	33.9
IV 16000	24.3	26.8	29.7	30.9	32.4	32.7	33.2	33.5	33.5	33.6	33.6	33.6	33.8	33.8	33.8	33.9
IV 14000	24.9	30.0	30.9	32.3	33.7	34.1	34.5	34.8	34.8	34.9	34.9	34.9	35.1	35.1	35.1	35.2
IV 12000	24.9	30.0	30.9	32.3	33.7	34.1	34.5	34.8	34.8	34.9	34.9	34.9	35.1	35.1	35.1	35.2
IV 10000	28.2	34.1	35.0	36.3	37.8	38.1	38.7	39.1	39.1	39.3	39.4	39.4	39.7	39.7	39.7	39.8
IV 9000	29.2	35.1	36.1	37.8	38.8	39.2	39.8	40.1	40.1	40.4	40.5	40.5	40.7	40.7	40.7	40.8
IV 8000	30.3	36.4	37.4	38.7	40.3	40.6	41.2	41.6	41.6	41.9	41.9	41.9	42.2	42.2	42.2	42.3
IV 7000	30.4	36.5	38.0	39.3	40.9	41.2	41.8	42.2	42.2	42.6	42.6	42.6	42.8	42.8	42.8	42.9
IV 6000	31.7	38.2	39.3	40.6	42.4	42.8	43.4	43.7	43.7	44.0	44.1	44.1	44.3	44.3	44.3	44.4
IV 5000	33.5	40.6	41.7	43.2	45.8	45.8	46.4	47.0	47.0	47.4	47.4	47.4	47.8	47.8	47.8	47.9
IV 4500	35.8	43.7	44.9	47.0	49.2	49.6	50.5	50.9	50.9	51.4	51.5	51.5	51.7	51.7	51.7	51.9
IV 4000	37.8	46.7	48.1	50.4	52.7	53.8	54.9	54.7	54.7	55.2	55.3	55.3	55.6	55.6	55.6	55.7
IV 3500	38.9	48.6	50.3	53.2	55.8	56.6	57.7	58.3	58.3	58.8	58.9	58.9	59.1	59.1	59.1	59.2
IV 3000	41.0	51.1	53.1	56.4	59.4	60.5	61.8	62.1	62.1	62.6	62.7	62.7	63.0	63.0	63.0	63.1
IV 2500	43.8	56.2	58.8	62.1	65.7	66.9	68.8	69.3	69.4	69.9	70.3	70.3	70.5	70.5	70.5	70.6
IV 2000	46.1	59.7	62.8	66.7	71.1	72.4	74.9	75.7	76.0	76.7	77.3	77.3	77.5	77.5	77.5	77.7
IV 1800	46.6	60.3	63.8	67.7	72.3	73.8	75.8	76.9	77.2	77.9	78.5	78.5	78.7	78.7	78.7	78.9
IV 1500	48.7	64.3	68.6	73.2	78.3	80.2	82.7	84.7	84.8	85.5	86.1	86.1	86.5	86.5	86.5	86.6
IV 1200	48.7	64.4	68.7	73.6	78.7	81.2	83.8	85.7	85.9	86.9	87.5	87.5	87.8	87.8	87.8	87.9
IV 1000	49.1	65.2	69.7	74.8	80.2	82.6	85.9	87.4	87.9	89.2	90.0	90.0	90.3	90.3	90.3	90.4
IV 900	49.1	65.7	70.4	75.8	80.9	83.2	86.1	88.3	88.6	90.0	90.7	90.7	91.0	91.0	91.0	91.2
IV 800	49.1	65.9	70.6	76.0	81.6	83.9	87.1	89.8	89.8	91.2	91.9	91.9	92.2	92.2	92.2	92.3
IV 700	49.1	66.1	70.8	76.5	82.1	84.7	87.6	90.0	90.4	91.8	92.5	92.7	93.1	93.1	93.1	93.2
IV 600	49.2	66.3	71.2	76.8	82.4	85.2	88.1	90.4	91.0	92.5	93.2	93.4	93.8	93.8	93.8	93.9
IV 500	49.2	66.4	71.3	77.3	83.4	86.1	89.0	91.8	92.0	93.8	94.7	95.0	95.4	95.4	95.4	95.5
IV 400	49.2	66.5	71.7	77.7	83.8	86.5	89.9	92.2	92.8	94.6	95.4	95.8	96.3	96.3	96.3	96.4
IV 300	49.2	66.5	71.7	77.7	83.8	86.5	89.9	92.2	92.8	94.6	95.4	95.8	96.3	96.3	96.3	96.4
IV 200	49.2	66.5	71.7	77.7	83.8	86.5	89.9	92.2	92.8	94.6	95.4	95.8	96.3	96.3	96.3	96.4
IV 100	49.2	66.5	71.7	77.7	83.8	86.5	89.9	92.2	92.8	94.6	95.4	95.8	96.3	96.3	96.3	96.4
IV 0	49.2	66.5	71.7	77.7	83.8	86.5	89.9	92.2	92.8	94.6	95.4	95.8	96.3	96.3	96.3	96.4

TOTAL NUMBER OF OBSERVATIONS 852

USAF ETAC FORM 7-64 9-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

NAF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	23.7	29.2	30.1	31.2	31.9	32.4	32.7	33.0	33.1	33.1	33.2	33.2	33.2	33.3	33.3	33.3
≥ 20000	26.4	32.5	33.7	35.1	35.8	36.3	36.7	36.9	37.0	37.0	37.2	37.2	37.2	37.3	37.3	37.3
≥ 18000	26.9	32.9	34.1	35.5	36.2	36.7	37.0	37.3	37.4	37.4	37.5	37.5	37.5	37.6	37.6	37.6
≥ 16000	27.6	33.7	34.9	36.3	37.0	37.5	37.9	38.1	38.2	38.2	38.4	38.4	38.4	38.5	38.5	38.5
≥ 14000	27.8	34.2	35.4	36.8	37.5	38.0	38.4	38.6	38.7	38.7	38.8	38.8	38.8	38.9	38.9	38.9
≥ 12000	28.6	34.9	36.1	37.5	38.2	38.7	39.1	39.3	39.4	39.4	39.5	39.5	39.5	39.7	39.7	39.7
≥ 10000	30.0	36.3	37.5	38.9	39.7	40.1	40.5	40.9	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.2
≥ 9000	30.5	37.3	38.5	39.9	40.6	41.1	41.5	41.8	41.9	41.9	42.1	42.1	42.1	42.2	42.2	42.2
≥ 8000	31.4	38.7	39.9	41.5	42.2	42.7	43.0	43.5	43.6	43.6	43.7	43.7	43.7	43.8	43.8	43.8
≥ 7000	32.5	39.9	41.1	42.8	43.5	44.0	44.3	44.8	44.9	44.9	45.0	45.0	45.0	45.2	45.2	45.2
≥ 6000	33.1	40.9	42.2	44.1	44.8	45.3	45.6	46.1	46.2	46.2	46.4	46.4	46.4	46.5	46.5	46.5
≥ 5000	34.3	42.9	44.2	46.1	47.2	47.7	48.0	48.5	48.7	48.7	48.9	48.9	48.9	49.0	49.0	49.0
≥ 4500	36.0	45.2	46.6	48.9	50.1	50.8	51.1	51.7	52.0	52.0	52.1	52.1	52.1	52.2	52.2	52.2
≥ 4000	36.7	46.7	48.1	50.7	52.0	52.7	53.0	53.8	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.2
≥ 3500	38.1	48.5	50.3	53.2	54.6	55.3	55.7	56.4	56.6	56.6	56.8	56.8	56.8	56.9	56.9	56.9
≥ 3000	38.9	50.8	52.8	55.8	57.3	58.4	59.0	59.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2
≥ 2500	41.5	54.4	57.2	60.8	62.7	64.5	65.2	66.1	66.3	66.3	66.4	66.4	66.4	66.7	66.8	66.8
≥ 2000	44.3	58.4	62.0	66.8	69.1	71.4	72.8	73.6	74.1	74.1	74.2	74.2	74.2	74.6	74.6	74.6
≥ 1800	44.6	58.6	62.5	67.3	69.7	72.2	73.2	74.3	74.8	74.8	74.9	74.9	74.9	75.1	75.3	75.3
≥ 1500	44.8	60.5	64.5	70.4	74.3	77.1	78.9	79.6	80.0	80.2	80.5	80.5	80.5	81.0	81.0	81.0
≥ 1200	45.2	62.0	66.4	72.8	77.1	80.0	81.8	82.8	83.4	83.6	84.0	84.1	84.6	84.7	84.7	84.7
≥ 1000	45.4	62.8	67.4	74.1	79.0	82.8	83.8	85.1	85.8	86.3	87.0	87.1	87.6	87.7	87.7	87.7
≥ 900	45.4	62.8	67.4	74.4	79.6	82.8	84.5	85.9	86.7	87.2	87.9	88.1	88.5	88.6	88.6	88.6
≥ 800	45.4	63.1	68.2	75.0	80.3	83.5	85.7	87.2	88.1	88.6	89.4	89.5	90.0	90.1	90.1	90.1
≥ 700	45.5	63.2	68.5	75.3	80.8	84.8	86.1	87.7	88.5	89.1	90.1	90.2	90.7	90.8	90.8	90.8
≥ 600	45.5	63.2	68.5	75.6	81.1	85.3	86.7	88.5	89.4	90.2	91.5	91.9	92.5	92.6	92.6	92.6
≥ 500	45.5	63.2	68.7	75.9	81.4	84.8	87.5	89.2	90.2	91.0	92.5	93.0	93.5	93.7	93.9	93.9
≥ 400	45.5	63.5	68.9	76.3	82.2	86.0	88.6	91.0	92.1	93.2	94.7	95.3	96.1	96.4	96.8	96.8
≥ 300	45.5	63.4	68.9	76.3	82.2	86.1	88.9	91.5	93.0	94.0	95.6	96.3	97.1	97.7	98.2	98.3
≥ 200	45.5	63.4	68.9	76.3	82.3	86.2	89.1	91.8	93.3	94.7	96.4	97.1	98.1	98.8	99.3	99.9
≥ 100	45.5	63.4	68.9	76.3	82.3	86.2	89.1	91.8	93.3	94.7	96.4	97.1	98.1	98.8	99.3	99.9
≥ 0	45.5	63.4	68.9	76.3	82.3	86.2	89.1	91.8	93.3	94.7	96.4	97.1	98.1	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	25.7	30.2	30.6	30.8	31.2	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 20000	29.7	35.8	35.7	36.2	36.8	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV 18000	30.1	35.8	36.2	36.7	37.0	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 16000	30.3	36.0	36.8	36.9	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
IV 14000	30.8	36.7	37.0	37.5	37.9	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 12000	31.4	37.8	37.8	38.8	38.7	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
IV 10000	33.0	39.4	39.8	40.4	40.7	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 9000	33.3	39.9	40.3	41.0	41.9	41.9	41.9	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 8000	34.3	40.9	41.2	42.1	42.7	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 7000	35.4	41.9	42.3	43.1	43.7	43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 6000	35.4	41.9	42.4	43.2	43.8	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 5000	36.9	44.0	44.7	45.8	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 4500	38.9	46.9	47.4	48.9	49.6	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 4000	40.6	48.6	49.6	51.0	51.7	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 3500	42.1	51.3	52.4	53.9	54.6	54.8	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 3000	44.8	54.8	56.8	58.1	58.9	59.3	59.6	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 2500	48.5	60.6	63.2	65.1	66.2	67.3	67.6	67.9	67.9	68.1	68.5	68.5	68.5	68.5	68.5	68.5
IV 2000	52.3	66.8	70.8	72.6	74.2	75.7	76.3	77.1	77.2	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 1800	52.4	67.0	71.0	73.2	74.8	76.3	76.9	77.7	77.8	78.0	78.4	78.4	78.4	78.4	78.4	78.4
IV 1500	54.3	71.0	75.9	78.9	80.6	82.0	83.8	84.3	84.6	84.9	85.3	85.3	85.3	85.3	85.3	85.3
IV 1200	54.4	71.9	77.3	80.6	82.4	84.8	85.7	86.6	87.0	87.6	87.9	87.9	87.9	87.9	87.9	87.9
IV 1000	54.5	72.3	78.1	81.8	83.8	85.9	87.1	88.1	88.4	89.2	89.6	89.6	89.6	89.6	89.6	89.6
IV 900	54.5	72.3	78.1	81.8	83.8	85.9	87.1	88.1	88.4	89.2	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	54.6	72.8	78.5	82.3	84.3	87.3	88.8	90.8	90.9	91.8	92.5	92.5	92.5	92.5	92.5	92.5
IV 700	54.6	72.8	78.5	82.3	84.3	87.3	88.8	90.8	91.8	92.6	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	54.6	72.8	78.5	82.3	84.3	87.3	88.8	90.8	91.8	92.6	93.2	93.2	93.2	93.2	93.2	93.2
IV 500	54.6	72.8	78.5	82.3	84.3	87.3	88.8	90.8	91.8	92.6	93.2	93.2	93.2	93.2	93.2	93.2
IV 400	54.6	73.0	79.2	83.3	85.8	89.8	91.5	92.8	93.8	94.5	95.1	95.1	95.1	95.1	95.1	95.1
IV 300	54.6	73.0	79.2	83.3	85.8	89.8	91.5	92.8	93.8	94.5	95.1	95.1	95.1	95.1	95.1	95.1
IV 200	54.6	73.0	79.2	83.3	85.8	89.8	91.5	92.8	93.8	94.5	95.1	95.1	95.1	95.1	95.1	95.1
IV 100	54.6	73.0	79.2	83.3	85.8	89.8	91.5	92.8	93.8	94.5	95.1	95.1	95.1	95.1	95.1	95.1
IV 0	54.6	73.0	79.2	83.3	85.8	89.8	91.5	92.8	93.8	94.5	95.1	95.1	95.1	95.1	95.1	95.1

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC FORM 8-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING	25.9	28.1	28.2	28.4	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 20000	31.5	35.0	35.2	35.5	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 18000	31.8	35.2	35.5	35.7	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	32.0	35.5	35.7	36.0	36.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 14000	32.9	36.8	37.0	37.3	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 12000	33.9	37.9	38.1	38.5	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 10000	35.5	39.8	40.0	40.4	40.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 9000	36.2	40.5	40.9	41.5	41.9	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000	36.9	41.6	42.1	42.7	43.1	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 7000	38.6	43.7	44.2	44.8	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 6000	38.6	44.1	44.6	45.2	45.6	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 5000	40.1	46.5	47.1	47.8	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 4500	41.5	49.0	49.6	50.5	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 4000	43.2	51.3	51.9	52.8	53.3	53.3	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 3500	45.9	54.8	55.6	56.6	57.3	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 3000	49.5	59.6	60.5	61.8	62.6	62.8	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 2500	53.4	66.3	67.7	70.0	71.2	71.7	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2000	57.6	72.5	75.0	77.8	79.3	80.0	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	57.6	72.5	75.0	78.0	79.8	80.4	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	58.1	74.4	77.3	80.5	83.2	83.9	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	58.4	75.5	78.9	82.4	85.5	86.5	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	58.4	75.5	79.0	82.7	86.1	87.8	89.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	58.4	75.5	79.0	82.7	86.1	87.8	89.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	58.4	75.5	79.2	83.0	86.6	88.8	90.2	91.8	91.8	92.1	92.2	92.2	92.2	92.5	92.5	92.5
≥ 700	58.5	75.7	79.3	83.2	86.7	89.0	90.6	92.2	92.2	92.6	92.8	92.8	93.1	93.1	93.1	93.1
≥ 600	58.5	75.9	79.5	83.3	87.0	89.2	90.9	92.6	92.6	93.0	93.2	93.2	93.9	93.9	93.9	93.9
≥ 500	58.5	75.9	79.5	83.3	87.1	89.5	91.3	93.4	93.5	93.9	94.1	94.1	94.8	94.8	94.8	94.8
≥ 400	58.5	75.9	79.6	83.4	87.5	90.2	92.5	94.9	95.1	95.6	95.8	95.8	96.3	96.4	96.4	96.4
≥ 300	58.5	75.9	79.6	83.4	87.5	90.2	93.1	95.6	96.1	96.9	97.6	97.7	98.2	98.4	98.4	98.4
≥ 200	58.5	75.9	79.6	83.4	87.5	90.2	93.2	95.8	96.3	97.4	98.3	98.3	98.5	99.2	99.4	99.4
≥ 100	58.5	75.9	79.6	83.4	87.5	90.2	93.2	95.8	96.3	97.4	98.3	98.3	98.5	99.4	99.6	99.6
≥ 0	58.5	75.9	79.6	83.4	87.5	90.2	93.2	95.8	96.3	97.4	98.3	98.3	98.5	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥1/8	≥0
NO CEILING ≥ 20000	26.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 18000	32.5	36.6	36.8	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 16000	32.5	36.7	36.9	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
IV 14000	32.6	37.2	37.4	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 12000	33.9	38.8	39.1	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
IV 10000	37.5	42.4	42.7	42.8	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 9000	37.9	42.8	43.0	43.1	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 8000	39.1	44.4	44.7	44.8	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 7000	39.5	45.0	45.3	45.4	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 6000	39.8	45.9	46.1	46.2	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 5000	42.2	49.4	50.2	50.4	50.8	51.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4500	43.8	52.4	53.0	53.6	54.1	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 4000	46.1	55.9	56.5	57.3	57.8	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3500	48.4	59.3	60.1	60.9	61.4	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 3000	52.1	63.7	64.8	65.6	66.1	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2500	54.6	68.0	69.7	70.8	71.8	72.4	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2000	58.9	73.6	76.1	77.9	79.1	80.4	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1800	59.0	74.9	77.5	79.3	80.5	82.0	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1500	60.2	76.8	79.9	82.1	83.8	85.2	85.8	86.9	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	60.6	77.7	80.9	83.2	84.5	86.3	86.9	87.7	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1000	60.9	78.1	81.5	83.8	85.3	87.4	88.8	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 900	60.9	78.1	81.5	83.8	85.3	87.4	88.8	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 800	61.2	78.6	82.2	84.7	86.9	89.2	90.7	92.1	92.5	93.0	93.2	93.2	93.2	93.2	93.2	93.2
IV 700	61.3	78.7	82.6	85.2	87.0	89.7	91.2	92.6	93.1	93.5	93.8	93.8	93.8	93.8	93.8	93.8
IV 600	61.3	79.1	82.9	85.5	87.3	90.1	91.6	93.1	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 500	61.3	79.1	82.9	85.5	87.3	90.1	91.6	93.1	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 400	61.3	79.1	82.9	85.5	87.3	90.1	91.6	93.1	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 300	61.3	79.1	82.9	85.5	87.3	90.1	91.6	93.1	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 200	61.3	79.1	82.9	85.5	87.3	90.1	91.6	93.1	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 100	61.3	79.1	82.9	85.5	87.3	90.1	91.6	93.1	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 0	61.3	79.1	82.9	85.5	87.3	90.1	91.6	93.1	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	30.2	33.6	33.9	34.1	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 18000	33.6	37.3	37.6	37.8	38.5	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 16000	33.8	37.5	37.9	38.0	38.7	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 14000	33.8	37.5	37.9	38.0	38.7	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 12000	34.5	38.4	38.7	38.8	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 10000	35.7	39.7	40.1	40.3	41.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 9000	38.1	42.1	42.5	42.7	43.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 8000	38.4	42.4	43.0	43.1	43.8	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 7000	39.5	43.7	44.3	44.4	45.2	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 6000	39.9	44.1	44.7	44.8	45.5	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 5000	40.3	44.4	45.0	45.2	45.9	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 4500	43.5	48.9	49.5	49.6	50.3	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 4000	46.0	53.9	54.7	54.8	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 3500	48.1	56.5	57.3	57.4	58.3	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 3000	51.6	60.2	61.1	61.5	62.5	62.7	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 2500	54.8	64.0	65.1	65.8	66.8	67.0	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 2000	59.6	69.9	71.3	72.3	73.5	73.7	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 1800	63.4	75.6	78.0	79.1	80.3	80.5	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1500	64.0	76.6	79.0	80.0	81.2	81.6	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 1200	65.9	79.0	81.6	83.0	84.3	84.7	85.4	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1000	66.1	79.1	81.8	83.5	85.3	85.9	86.7	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 900	66.8	80.3	83.2	84.8	86.6	87.6	88.4	89.5	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.0
IV 800	66.9	80.4	83.3	84.9	86.9	87.9	88.9	90.0	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6
IV 700	66.9	80.5	83.9	85.7	88.1	89.1	90.2	91.3	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2
IV 600	67.0	80.6	84.1	85.9	88.4	89.5	90.6	91.6	91.8	92.2	92.8	92.8	92.8	92.8	92.8	92.8
IV 500	67.0	80.6	84.2	86.3	88.8	89.8	91.0	92.5	92.8	93.3	93.9	93.9	93.9	93.9	93.9	93.9
IV 400	67.0	80.6	84.2	86.3	89.1	90.2	91.8	93.3	93.7	94.3	94.9	95.1	95.1	95.1	95.1	95.1
IV 300	67.0	80.6	84.2	86.4	89.5	90.9	93.1	95.1	95.6	96.4	97.3	97.6	97.6	97.6	97.6	97.6
IV 200	67.0	80.6	84.3	86.6	89.7	91.3	93.7	95.7	96.2	97.0	98.1	98.4	98.4	98.4	98.4	98.4
IV 100	67.0	80.6	84.3	86.6	89.7	91.3	93.7	95.9	96.5	97.4	98.6	98.9	98.9	98.9	98.9	98.9
IV 0	67.0	80.6	84.3	86.6	89.7	91.3	93.7	95.9	96.5	97.4	98.6	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	26.9	30.5	31.0	31.4	31.8	32.0	32.2	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5
≥ 20000	30.6	34.9	35.4	35.9	36.4	36.6	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.1	37.1
≥ 18000	30.8	35.1	35.6	36.1	36.7	36.8	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.4	37.4
≥ 16000	31.0	35.3	35.8	36.4	36.9	37.1	37.3	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6
≥ 14000	31.4	36.0	36.5	37.1	37.6	37.8	38.0	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3
≥ 12000	32.4	37.2	37.7	38.3	38.9	39.1	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
≥ 10000	34.2	39.2	39.8	40.3	41.0	41.2	41.4	41.6	41.6	41.7	41.7	41.7	41.7	41.8	41.8	41.8
≥ 9000	34.6	39.7	40.3	40.9	41.5	41.8	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.4	42.4	42.4
≥ 8000	35.9	41.2	41.8	42.4	43.1	43.3	43.6	43.8	43.8	43.9	43.9	43.9	43.9	44.0	44.0	44.0
≥ 7000	36.7	42.2	42.8	43.5	44.1	44.4	44.6	44.8	44.8	44.9	44.9	44.9	44.9	45.0	45.0	45.0
≥ 6000	37.2	42.9	43.6	44.3	45.0	45.2	45.5	45.7	45.7	45.8	45.8	45.8	45.8	45.9	45.9	45.9
≥ 5000	39.4	46.1	46.8	47.7	48.5	48.7	49.0	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5
≥ 4500	41.5	49.4	50.3	51.4	52.3	52.6	52.9	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4
≥ 4000	43.4	52.1	53.0	54.2	55.2	55.6	55.9	56.2	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.5
≥ 3500	45.6	55.1	56.2	57.6	58.7	59.1	59.5	59.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1
≥ 3000	48.2	58.8	60.1	61.7	62.9	63.5	63.9	64.3	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2500	51.9	64.1	66.1	68.0	69.6	70.4	71.0	71.4	71.5	71.6	71.7	71.7	71.7	71.8	71.8	71.8
≥ 2000	55.2	69.2	71.8	74.3	76.2	77.3	78.2	78.8	79.0	79.1	79.3	79.3	79.3	79.3	79.3	79.8
≥ 1800	55.5	69.8	72.6	75.1	77.1	78.2	79.1	79.8	79.9	80.1	80.2	80.2	80.3	80.3	80.3	80.3
≥ 1500	57.1	72.6	76.0	79.0	81.4	82.8	83.8	84.8	85.0	85.2	85.4	85.4	85.5	85.5	85.5	85.5
≥ 1200	57.4	73.4	77.0	80.3	83.0	84.6	85.8	86.9	87.1	87.4	87.6	87.6	87.7	87.8	87.8	87.8
≥ 1000	57.7	74.1	77.9	81.4	84.3	86.2	87.5	88.8	89.1	89.5	89.8	89.8	89.9	89.9	89.9	89.9
≥ 900	57.7	74.3	78.1	81.6	84.6	86.5	87.9	89.2	89.5	89.9	90.2	90.2	90.4	90.4	90.4	90.4
≥ 800	57.8	74.5	78.6	82.3	85.5	87.6	89.1	90.7	91.0	91.5	91.9	92.0	92.1	92.1	92.1	92.1
≥ 700	58.0	74.8	78.9	82.7	85.9	88.1	89.6	91.2	91.6	92.2	92.6	92.7	92.8	92.8	92.8	92.9
≥ 600	58.0	74.9	79.1	83.0	86.3	88.6	90.2	92.0	92.4	93.0	93.5	93.6	93.8	93.8	93.8	93.9
≥ 500	58.0	74.9	79.2	83.2	86.7	89.1	90.8	92.7	93.2	93.9	94.5	94.7	94.9	95.0	95.0	95.1
≥ 400	58.1	75.1	79.5	83.5	87.2	89.7	91.6	93.8	94.3	95.1	95.8	96.0	96.3	96.4	96.4	96.5
≥ 300	58.1	75.1	79.5	83.6	87.2	89.8	92.0	94.4	95.2	96.1	97.0	97.3	97.6	97.8	97.9	98.0
≥ 200	58.1	75.1	79.5	83.6	87.3	89.9	92.2	94.8	95.7	96.7	97.7	98.1	98.4	98.7	98.9	99.0
≥ 100	58.1	75.1	79.5	83.6	87.3	89.9	92.2	94.8	95.7	96.7	97.9	98.3	98.7	99.1	99.3	99.6
≥ 0	58.1	75.1	79.5	83.6	87.3	89.9	92.2	94.8	95.7	96.7	97.9	98.3	98.7	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6696

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	40.5	43.1	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	43.1	45.9	46.8	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 18000	43.1	45.9	46.8	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 16000	43.1	45.9	46.8	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 14000	43.2	46.2	47.0	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 12000	44.2	47.2	48.0	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 10000	45.7	49.4	50.2	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 9000	46.3	50.0	50.9	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 8000	47.8	51.5	52.3	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 7000	48.6	52.3	53.3	53.7	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 6000	49.6	53.3	54.3	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 5000	53.7	57.9	59.0	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 4500	56.9	62.2	63.3	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4000	59.9	65.7	67.0	67.9	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 3500	62.1	68.8	70.2	71.5	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	64.6	71.7	73.8	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2500	68.8	77.9	80.1	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2000	71.4	81.2	83.6	85.4	85.8	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1800	71.6	81.6	84.0	85.8	86.3	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1500	72.6	83.1	85.6	87.7	88.1	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1200	73.1	83.8	86.3	88.5	89.1	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	73.7	84.7	87.3	89.5	90.2	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 900	73.7	84.7	87.4	89.6	90.4	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 800	73.7	84.7	87.8	90.2	91.0	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 700	73.7	84.8	88.0	90.7	91.9	92.8	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 600	73.7	85.3	88.6	91.6	92.7	93.7	94.4	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 500	73.8	85.4	89.0	92.0	93.2	94.3	95.1	95.9	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	73.8	85.4	89.0	92.1	93.3	94.4	95.7	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300	74.1	85.8	89.5	93.1	94.4	95.9	97.3	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	74.1	85.8	89.5	93.2	94.6	96.0	97.4	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	74.1	85.8	89.5	93.2	94.6	96.0	97.4	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	74.1	85.8	89.5	93.2	94.6	96.0	97.4	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING ≥ 20000	37.9	42.2	43.3	43.5	43.8	44.0	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.3	44.3	44.3
IV 18000	40.4	45.2	46.3	46.4	46.8	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3
IV 16000	40.4	45.2	46.3	46.4	46.8	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3
IV 14000	41.1	45.9	47.0	47.2	47.5	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0	48.0
IV 12000	41.9	46.7	47.8	47.9	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.8	48.8	48.8
IV 10000	44.0	49.1	50.2	50.4	50.7	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.2
IV 9000	45.1	50.2	51.4	51.5	51.9	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3
IV 8000	45.8	51.1	52.2	52.3	52.7	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2
IV 7000	47.2	52.5	53.6	53.7	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6
IV 6000	48.5	53.8	54.9	55.1	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
IV 5000	52.1	58.1	59.4	59.5	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.4
IV 4500	56.7	63.1	64.3	64.7	65.1	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7
IV 4000	58.0	64.6	65.9	66.1	66.7	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
IV 3500	60.4	67.3	68.6	69.4	70.0	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7
IV 3000	62.5	69.9	71.2	72.1	72.8	73.2	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6
IV 2500	67.2	75.9	77.5	78.6	79.6	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.4	80.4	80.4
IV 2000	69.4	78.8	80.7	82.0	83.3	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4
IV 1800	69.5	79.4	81.4	82.7	84.4	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7
IV 1500	71.2	81.6	83.7	85.2	86.9	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1
IV 1200	72.0	82.8	84.9	86.5	88.3	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6
IV 1000	72.1	83.2	85.3	86.9	88.8	89.5	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
IV 900	72.1	83.5	85.7	87.3	89.1	89.9	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7
IV 800	72.1	84.1	86.5	88.4	90.4	91.7	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.7	92.7	92.7
IV 700	72.3	84.7	87.2	89.3	91.4	92.8	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8
IV 600	72.5	85.1	87.7	89.8	91.9	93.5	93.8	94.6	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8
IV 500	73.2	86.2	88.8	91.1	93.2	94.8	95.2	96.0	96.2	96.3	96.3	96.4	96.5	96.5	96.7	96.7
IV 400	73.2	86.2	88.8	91.2	93.5	95.4	95.8	96.7	96.8	97.0	97.0	97.2	97.3	97.3	97.4	97.4
IV 300	73.5	86.4	89.1	91.6	93.8	96.2	96.5	98.0	98.1	98.4	98.5	98.6	98.9	99.0	99.1	99.1
IV 200	73.5	86.4	89.1	91.6	93.8	96.2	96.5	98.3	98.4	98.6	98.8	98.9	99.1	99.3	99.4	99.4
IV 100	73.5	86.4	89.1	91.6	93.8	96.2	96.5	98.3	98.5	98.8	98.9	99.0	99.3	99.4	99.5	99.5
IV 0	73.5	86.4	89.1	91.6	93.8	96.2	96.5	98.3	98.5	98.8	99.0	99.1	99.5	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-01

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	29.8	37.9	39.0	40.6	41.6	42.1	42.7	42.8	42.8	42.8	43.0	43.0	43.0	43.3	43.3	43.5
≥ 20000	32.6	41.5	43.0	44.6	45.6	46.0	46.7	46.8	46.8	46.8	46.9	46.9	47.0	47.4	47.5	47.7
IV 18000	32.7	41.6	43.2	44.8	45.8	46.3	46.9	47.0	47.0	47.0	47.2	47.2	47.3	47.7	47.8	47.9
IV 16000	32.8	41.9	43.5	45.1	46.0	46.5	47.2	47.3	47.3	47.3	47.4	47.4	47.5	47.9	48.0	48.1
IV 14000	33.2	42.3	44.0	45.6	46.5	47.0	47.7	47.8	47.8	47.8	47.9	47.9	48.0	48.4	48.5	48.6
IV 12000	34.2	43.6	45.3	47.2	48.3	48.8	49.9	49.5	49.5	49.5	49.6	49.6	49.8	50.1	50.2	50.4
IV 10000	35.4	44.9	46.9	48.8	50.1	50.7	51.4	51.5	51.5	51.5	51.6	51.6	51.7	52.1	52.2	52.3
IV 9000	36.3	45.9	48.0	49.9	51.2	51.9	52.5	52.6	52.6	52.6	52.7	52.7	52.8	53.2	53.3	53.5
IV 8000	37.8	47.5	49.6	51.7	53.1	53.7	54.3	54.4	54.4	54.4	54.6	54.6	54.7	55.1	55.2	55.3
IV 7000	38.1	48.5	50.7	52.8	54.2	54.8	55.4	55.6	55.6	55.6	55.7	55.7	55.8	56.2	56.3	56.4
IV 6000	39.0	49.5	51.7	53.8	55.2	55.8	56.4	56.5	56.5	56.5	56.7	56.7	56.8	57.2	57.3	57.4
IV 5000	41.2	52.5	54.9	57.3	58.6	59.3	59.9	60.0	60.0	60.0	60.1	60.1	60.2	60.6	60.7	60.9
IV 4500	43.2	54.7	57.3	59.8	61.2	61.9	62.5	62.6	62.6	62.6	62.7	62.7	62.8	63.2	63.3	63.5
IV 4000	44.8	56.8	59.5	62.1	63.7	64.3	64.9	65.1	65.1	65.1	65.2	65.2	65.3	65.7	65.8	65.9
IV 3500	46.4	59.3	62.0	64.9	66.5	67.2	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.5	68.6	68.8
IV 3000	47.7	61.4	64.2	67.2	68.8	69.5	70.1	70.4	70.4	70.4	70.5	70.5	70.6	71.0	71.1	71.2
IV 2500	50.4	65.1	68.1	71.7	73.6	74.3	75.1	75.3	75.4	75.4	75.6	75.6	75.7	76.0	76.2	76.3
IV 2000	52.8	68.6	72.0	76.0	78.4	79.8	80.7	81.2	81.5	81.6	82.0	82.0	82.1	82.5	82.7	82.8
IV 1800	53.1	69.0	72.3	76.7	79.3	80.7	81.7	82.2	82.5	82.6	83.0	83.0	83.1	83.5	83.7	83.8
IV 1500	54.3	71.1	74.6	79.3	82.1	84.0	85.2	86.0	86.3	86.5	87.0	87.0	87.2	87.5	87.8	87.9
IV 1200	54.8	72.0	75.6	80.2	83.2	85.4	86.7	87.5	87.8	88.0	88.5	88.5	88.6	89.0	89.3	89.4
IV 1000	55.2	72.6	76.4	81.4	84.7	87.2	88.5	89.4	89.8	90.0	90.6	90.6	90.7	91.1	91.4	91.5
IV 900	55.2	72.6	76.4	81.5	84.8	87.4	88.8	89.6	90.0	90.4	91.0	91.0	91.1	91.5	91.7	91.9
IV 800	55.3	73.1	76.9	82.1	85.6	88.1	89.5	90.4	90.7	91.1	91.7	91.7	91.9	92.2	92.5	92.6
IV 700	55.3	73.3	77.2	82.8	86.7	89.3	90.9	91.7	92.1	92.5	93.2	93.2	93.3	93.7	94.0	94.1
IV 600	55.4	73.6	77.5	83.5	87.4	90.4	92.3	93.2	93.6	94.0	94.8	94.8	95.1	95.4	95.7	95.8
IV 500	55.6	73.8	77.9	84.1	88.0	91.0	93.2	94.1	94.4	94.9	95.8	95.8	96.0	96.4	96.7	96.8
IV 400	55.6	74.0	78.0	84.3	88.3	91.4	94.0	95.1	95.4	95.9	96.9	96.9	97.2	97.5	97.9	98.0
IV 300	55.6	74.0	78.0	84.3	88.5	91.7	94.4	95.8	96.2	96.7	97.7	97.7	97.9	98.3	98.6	98.8
IV 200	55.6	74.0	78.0	84.3	88.5	91.7	94.4	95.9	96.4	96.9	97.9	98.0	98.3	98.6	99.0	99.1
IV 100	55.6	74.0	78.0	84.3	88.5	91.7	94.4	95.9	96.4	96.9	97.9	98.0	98.3	98.6	99.0	99.1
IV 0	55.6	74.0	78.0	84.3	88.5	91.7	94.4	95.9	96.4	96.9	97.9	98.0	98.3	98.6	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	33.5	41.1	42.2	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	36.5	44.3	45.4	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 18000	36.7	44.6	45.7	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000	37.0	44.9	46.0	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 14000	37.2	45.6	46.7	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 12000	37.5	46.3	47.5	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10000	39.1	48.0	49.3	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 9000	40.4	49.5	50.9	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 8000	42.2	51.5	53.1	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	43.0	52.5	54.1	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000	43.3	53.3	55.1	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	44.8	56.2	58.1	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 4500	45.9	57.9	60.0	61.0	61.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 4000	46.4	59.0	61.1	62.2	62.6	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 3500	48.6	61.9	64.3	65.4	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3000	51.6	65.7	68.3	69.5	70.0	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 2500	54.8	70.5	73.3	74.7	75.6	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000	57.2	73.8	77.4	79.1	80.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	57.4	74.4	78.1	79.9	81.2	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1500	58.5	76.8	80.7	82.8	84.7	85.9	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200	59.3	77.9	82.3	84.4	86.5	88.0	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1000	59.9	78.8	83.6	86.2	88.5	89.9	90.9	91.6	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	59.9	79.1	84.1	86.7	89.0	90.5	91.5	92.2	92.3	92.6	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	59.9	79.5	84.8	87.4	89.9	91.5	92.5	93.2	93.3	93.6	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	60.0	79.8	85.2	87.8	90.2	92.3	93.3	94.2	94.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9
≥ 600	60.0	79.9	85.4	88.0	90.6	92.8	94.1	94.9	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	60.0	79.9	85.6	88.1	90.9	93.6	94.8	95.8	96.0	96.4	96.8	96.8	96.8	96.8	97.0	97.0
≥ 400	60.0	79.9	85.6	88.4	91.1	94.1	95.8	96.9	97.2	97.4	98.0	98.0	98.0	98.0	98.5	98.5
≥ 300	60.0	79.9	85.6	88.4	91.2	94.2	96.0	97.4	97.7	98.0	98.5	98.6	98.9	99.1	99.1	99.1
≥ 200	60.0	79.9	85.6	88.4	91.2	94.2	96.0	97.7	97.9	98.4	98.9	99.0	99.3	99.5	99.5	99.5
≥ 100	60.0	79.9	85.6	88.4	91.2	94.2	96.0	97.7	97.9	98.4	98.9	99.0	99.4	99.8	99.8	99.8
≥ 0	60.0	79.9	85.6	88.4	91.2	94.2	96.0	97.7	97.9	98.4	98.9	99.0	99.5	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 310

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	35.6	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	42.2	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	42.2	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 16000	42.6	48.0	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 14000	43.3	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 12000	45.6	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 10000	46.7	53.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 9000	48.0	54.6	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 8000	49.5	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 7000	49.8	56.7	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 6000	50.4	57.4	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 5000	51.5	59.4	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 4500	52.7	61.0	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 4000	53.3	61.9	62.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 3500	56.4	64.9	65.8	65.9	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 3000	58.8	67.8	68.6	68.8	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 2500	64.7	75.9	77.2	77.4	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2000	69.1	81.4	82.7	83.0	83.8	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	69.5	82.1	83.5	83.8	84.8	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1500	70.7	83.8	85.4	86.0	87.0	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1200	71.5	84.7	86.3	87.2	88.1	88.9	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1000	71.6	85.4	87.5	88.4	89.4	90.2	91.0	91.1	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5
IV 900	71.6	85.8	88.1	89.0	90.0	90.9	91.7	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2
IV 800	71.6	85.9	88.4	89.8	90.9	91.9	92.8	93.1	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	72.0	86.3	88.9	90.7	92.2	93.3	94.3	94.7	94.8	94.9	95.3	95.4	95.4	95.4	95.4	95.4
IV 600	72.0	86.4	89.1	91.5	93.1	94.4	95.6	95.9	96.3	96.4	96.8	96.9	96.9	96.9	96.9	96.9
IV 500	72.0	86.4	89.1	91.5	93.2	94.6	95.8	96.4	96.8	96.9	97.3	97.4	97.5	97.5	97.5	97.5
IV 400	72.0	86.4	89.3	91.9	93.6	95.6	97.2	97.8	98.1	98.3	98.6	98.8	98.9	98.9	98.9	98.9
IV 300	72.0	86.4	89.3	91.9	93.6	95.6	97.3	98.3	98.8	98.9	99.4	99.6	99.8	99.8	99.8	99.8
IV 200	72.0	86.4	89.3	91.9	93.6	95.6	97.3	98.3	98.8	98.9	99.4	99.6	99.8	99.8	99.8	99.8
IV 100	72.0	86.4	89.3	91.9	93.6	95.6	97.3	98.3	98.8	98.9	99.4	99.6	99.8	99.8	99.8	99.8
IV 0	72.0	86.4	89.3	91.9	93.6	95.6	97.3	98.3	98.8	98.9	99.4	99.6	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	37.8	40.0	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 20000	44.1	47.9	47.7	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 18000	44.2	47.9	47.8	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 16000	44.6	47.9	48.1	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 14000	45.2	48.8	49.0	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 12000	46.9	50.7	51.0	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000	48.6	52.8	53.2	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 9000	50.2	54.4	54.8	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 8000	52.6	57.0	57.8	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 7000	53.6	58.0	58.8	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 6000	54.0	58.4	59.1	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 5000	55.9	60.7	61.5	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 4500	57.8	63.0	63.7	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 4000	59.5	65.2	66.0	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500	61.0	68.1	69.4	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 3000	62.8	71.2	72.6	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2500	68.0	77.8	79.4	80.5	81.6	81.6	81.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2000	69.9	80.1	81.7	83.0	84.2	84.9	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	69.9	80.6	82.2	83.5	84.9	85.7	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1500	71.1	82.8	84.6	85.8	87.4	88.1	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1200	71.4	83.6	85.6	86.9	88.6	89.4	89.5	89.5	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.0
IV 1000	71.4	84.1	86.9	88.4	90.4	91.2	91.4	91.4	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.1
IV 900	71.4	84.1	86.9	88.4	90.4	91.2	91.5	91.5	91.7	92.0	92.1	92.1	92.2	92.2	92.2	92.2
IV 800	71.4	84.1	87.2	88.6	90.8	91.7	92.2	92.2	92.7	93.0	93.2	93.2	93.3	93.3	93.3	93.3
IV 700	71.4	84.4	87.7	89.3	91.7	92.8	93.6	93.6	94.1	94.4	95.1	95.1	95.3	95.3	95.3	95.3
IV 600	71.4	84.6	87.9	89.6	92.2	93.6	94.4	94.4	95.3	96.0	96.0	96.0	96.3	96.3	96.3	96.3
IV 500	71.4	84.8	88.1	90.1	92.7	94.7	95.8	96.4	96.9	97.3	98.4	98.4	98.6	98.6	98.6	98.6
IV 400	71.4	84.9	88.4	90.5	93.1	95.1	96.2	96.8	97.4	97.8	98.9	98.9	99.3	99.3	99.3	99.3
IV 300	71.4	84.9	88.4	90.6	93.2	95.3	96.4	97.0	97.7	98.0	99.1	99.1	99.5	99.5	99.5	99.5
IV 200	71.4	84.9	88.4	90.6	93.2	95.3	96.4	97.0	97.8	98.1	99.3	99.3	99.6	99.6	99.6	99.6
IV 100	71.4	84.9	88.4	90.6	93.2	95.3	96.4	97.0	97.8	98.1	99.3	99.3	99.6	99.6	99.6	99.6
IV 0	71.4	84.9	88.4	90.6	93.2	95.3	96.4	97.0	97.8	98.1	99.3	99.3	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	38.4	41.0	41.6	41.7	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 18000	42.1	46.0	47.0	47.3	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 16000	42.5	46.4	47.4	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 14000	42.8	47.2	48.1	48.4	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 12000	45.6	50.5	51.5	52.0	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 10000	47.9	53.8	54.9	55.4	55.8	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 9000	48.0	54.1	55.2	55.7	56.0	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	50.7	56.9	58.0	58.8	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 7000	51.7	58.1	59.4	60.2	60.6	60.7	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 6000	52.3	58.9	60.1	61.0	61.6	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 5000	54.9	61.9	63.1	64.4	65.2	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4500	57.5	65.3	67.0	68.5	69.3	69.6	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 4000	60.0	68.8	70.7	72.5	73.2	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	61.6	71.1	73.2	75.1	75.8	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 3000	63.0	73.7	75.9	77.9	78.8	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2500	66.4	78.0	80.6	82.7	84.0	84.3	84.6	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2000	68.4	80.6	83.2	85.7	86.9	87.3	87.7	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1800	69.0	81.4	84.1	86.5	87.8	88.1	88.5	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	69.5	82.8	85.8	88.3	89.6	90.0	90.4	90.6	90.7	91.0	91.0	91.0	91.0	91.1	91.1	91.1
IV 1200	69.5	83.0	86.0	88.5	90.0	90.4	90.7	91.0	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.6
IV 1000	69.8	83.7	86.9	89.8	91.5	91.7	92.1	92.3	92.5	92.7	92.7	92.7	92.7	93.0	93.0	93.1
IV 900	69.8	83.7	86.9	89.8	91.2	91.7	92.1	92.3	92.5	92.7	92.7	92.7	92.7	93.0	93.0	93.1
IV 800	69.8	83.8	87.0	90.1	91.6	92.2	92.7	93.0	93.1	93.3	93.3	93.3	93.3	93.6	93.6	93.7
IV 700	69.8	84.3	87.8	91.0	92.6	93.2	94.0	94.2	94.3	94.6	94.7	94.7	94.7	94.9	94.9	95.1
IV 600	69.8	84.9	88.4	91.6	93.2	93.8	94.8	95.1	95.3	95.6	95.8	95.8	95.8	96.0	96.0	96.2
IV 500	69.8	84.9	88.5	91.9	93.7	94.4	95.6	95.8	96.2	96.7	97.0	97.0	97.3	97.3	97.4	97.4
IV 400	69.8	84.9	88.5	91.9	93.7	94.7	96.0	96.4	96.8	97.4	97.8	98.0	98.0	98.0	98.1	98.1
IV 300	69.8	85.1	88.8	92.2	94.2	95.2	96.5	97.0	97.4	98.1	98.6	98.6	98.9	98.9	99.0	99.0
IV 200	69.8	85.1	88.8	92.2	94.2	95.2	96.7	97.2	97.7	98.4	98.9	98.9	99.1	99.1	99.3	99.4
IV 100	69.8	85.1	88.8	92.2	94.2	95.2	96.7	97.5	98.0	98.8	99.3	99.3	99.5	99.5	99.6	99.9
IV 0	69.8	85.1	88.8	92.2	94.2	95.2	96.7	97.5	98.0	98.8	99.3	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING ≥ 20000	41.4	44.0	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 18000	44.1	47.2	47.4	47.4	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 16000	44.3	47.4	47.7	47.7	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 14000	44.6	47.9	48.1	48.1	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 12000	45.4	48.6	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 10000	45.7	49.0	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 9000	48.0	51.9	52.2	52.2	52.3	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 8000	48.4	52.2	52.6	52.6	52.7	52.7	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 7000	49.9	53.8	54.2	54.2	54.3	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000	51.0	55.3	55.7	55.7	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 5000	51.4	55.8	56.3	56.3	56.4	56.4	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 4500	54.2	60.1	61.0	61.1	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4000	57.7	64.7	65.8	66.0	66.4	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500	60.7	68.3	69.5	69.8	70.2	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 3000	63.3	71.7	73.0	73.2	73.7	73.7	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 2500	65.6	74.8	76.3	76.5	77.0	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 2000	69.8	80.2	82.3	82.8	83.5	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 1800	71.5	82.3	84.6	85.2	85.8	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1500	72.3	83.3	85.6	86.2	86.8	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200	73.3	85.4	87.9	88.8	89.5	89.8	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	73.7	86.0	88.4	89.3	90.0	90.2	90.3	90.4	90.7	90.7	90.7	90.9	90.9	90.9	90.9	90.9
IV 900	74.0	86.9	89.6	90.9	91.6	92.0	92.2	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6
IV 800	74.2	87.3	90.0	91.2	92.1	92.5	92.7	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
IV 700	74.4	87.5	90.2	91.7	92.6	93.2	93.5	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
IV 600	74.6	88.1	90.9	92.5	93.3	94.0	94.4	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IV 500	74.6	88.6	91.4	93.1	94.0	94.7	95.2	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 400	74.7	88.9	91.6	93.3	94.2	95.1	95.6	95.8	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4
IV 300	74.7	89.0	92.0	93.7	94.6	95.6	96.5	96.8	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	74.8	89.1	92.1	94.1	95.1	96.8	97.0	97.4	97.5	98.0	98.1	98.1	98.3	98.3	98.3	98.3
IV 100	74.8	89.1	92.2	94.2	95.3	96.3	97.5	98.0	98.1	98.8	98.9	98.9	99.0	99.0	99.0	99.0
IV 0	74.8	89.1	92.3	94.3	95.4	96.4	97.7	98.4	98.5	99.1	99.3	99.3	99.4	99.4	99.4	99.8
	74.8	89.1	92.3	94.3	95.4	96.4	97.7	98.4	98.5	99.1	99.3	99.3	99.4	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 210

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.8	41.2	41.9	42.3	42.5	42.6	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	40.6	45.6	46.4	46.9	47.1	47.2	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.5	47.5	47.5
≥ 18000	40.7	45.7	46.6	47.0	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.6
≥ 16000	41.0	46.0	46.9	47.3	47.5	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9
≥ 14000	41.4	46.7	47.5	47.9	48.2	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.6
≥ 12000	42.7	48.2	49.1	49.6	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.2
≥ 10000	44.4	50.4	51.4	51.9	52.2	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6
≥ 9000	45.3	51.4	52.4	52.9	53.2	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6
≥ 8000	47.0	53.2	54.3	54.9	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6
≥ 7000	47.9	54.2	55.4	56.0	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7
≥ 6000	48.6	55.1	56.2	56.8	57.2	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.7	57.7
≥ 5000	51.0	58.3	59.7	60.4	60.8	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.3
≥ 4500	53.5	61.5	62.9	63.8	64.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8
≥ 4000	55.3	63.8	65.3	66.3	66.9	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
≥ 3500	57.5	66.6	68.3	69.5	70.1	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.7	70.7	70.7
≥ 3000	59.6	69.5	71.4	72.6	73.3	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0
≥ 2500	63.8	75.2	77.3	78.8	79.7	80.1	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6	80.6
≥ 2000	66.2	78.4	80.7	82.4	83.6	84.2	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9	85.0
≥ 1800	66.5	79.0	81.4	83.1	84.4	85.1	85.4	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.9
≥ 1500	67.7	81.0	83.5	85.5	86.9	87.7	88.1	88.3	88.4	88.5	88.6	88.6	88.7	88.7	88.8	88.8
≥ 1200	68.1	81.7	84.4	86.5	88.0	88.9	89.9	89.6	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0
≥ 1000	68.4	82.4	85.4	87.7	89.3	90.3	90.9	91.2	91.3	91.5	91.6	91.6	91.7	91.8	91.8	91.8
≥ 900	68.5	82.6	85.7	87.9	89.6	90.6	91.2	91.5	91.7	91.8	92.0	92.0	92.1	92.1	92.2	92.2
≥ 800	68.5	82.8	86.1	88.5	90.3	91.5	92.2	92.5	92.7	92.8	93.0	93.0	93.1	93.1	93.2	93.2
≥ 700	68.6	83.2	86.6	89.3	91.3	92.6	93.4	93.8	94.0	94.1	94.4	94.4	94.5	94.6	94.6	94.6
≥ 600	68.7	83.5	87.0	89.8	91.9	93.4	94.3	94.8	95.0	95.2	95.6	95.6	95.7	95.8	95.8	95.8
≥ 500	68.8	83.8	87.3	90.3	92.4	94.1	95.1	95.8	96.1	96.4	96.8	96.9	97.0	97.1	97.1	97.1
≥ 400	68.8	83.8	87.4	90.5	92.6	94.5	95.9	96.6	97.0	97.3	97.7	97.8	97.9	98.0	98.1	98.1
≥ 300	68.9	84.0	87.6	90.8	93.0	95.0	96.4	97.4	97.7	98.1	98.6	98.6	98.8	98.9	99.0	99.0
≥ 200	68.9	84.0	87.6	90.8	93.1	95.1	96.5	97.6	98.1	98.5	99.0	99.0	99.2	99.3	99.4	99.4
≥ 100	68.9	84.0	87.6	90.8	93.1	95.1	96.6	97.7	98.2	98.6	99.1	99.2	99.4	99.5	99.6	99.7
≥ 0	68.9	84.0	87.6	90.8	93.1	95.1	96.6	97.7	98.2	98.6	99.1	99.2	99.5	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 6980

USAF ETAC FORM JAN 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.0	46.4	47.6	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	44.2	49.8	51.0	51.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	44.2	49.8	51.3	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	44.2	49.8	51.3	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000	44.6	50.2	51.7	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	45.3	51.0	52.9	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	48.3	54.4	56.3	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 9000	48.3	54.4	56.3	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000	48.6	55.0	56.9	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 7000	49.3	55.7	57.4	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 6000	50.2	56.6	58.5	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	52.9	61.3	63.4	64.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4500	57.2	66.5	68.8	69.9	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	59.0	68.9	71.3	72.4	73.4	73.4	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500	61.3	71.7	74.1	75.5	76.5	76.5	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	62.8	73.4	76.0	77.5	78.5	78.5	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	65.9	78.4	81.1	82.9	84.0	84.0	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000	67.7	80.4	83.3	85.3	86.4	86.4	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	68.6	81.2	84.1	86.4	87.5	87.5	87.6	87.8	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1
≥ 1500	69.9	82.7	85.5	88.1	89.5	89.5	89.8	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3
≥ 1200	70.3	83.0	85.9	88.6	90.1	90.3	90.6	90.9	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.2
≥ 1000	70.8	84.0	86.9	89.4	91.0	91.3	91.5	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1
≥ 900	71.2	84.5	87.5	90.3	91.8	92.0	92.2	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 800	71.3	84.8	87.9	90.8	92.2	92.4	92.8	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
≥ 700	71.3	85.2	88.3	91.4	92.8	93.2	93.4	93.9	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
≥ 600	71.3	85.2	88.5	91.4	93.1	93.4	93.7	94.1	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
≥ 500	71.3	85.5	88.9	92.0	93.4	93.9	94.3	94.7	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1
≥ 400	71.4	85.7	89.1	92.4	93.8	94.3	94.7	95.3	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8
≥ 300	71.4	85.7	89.1	92.4	94.0	95.0	96.1	96.7	97.0	97.4	97.5	97.5	97.6	97.6	97.6	97.6
≥ 200	71.4	85.7	89.1	92.4	94.0	95.0	96.2	96.9	97.4	97.8	98.0	98.0	98.2	98.2	98.2	98.3
≥ 100	71.4	85.7	89.1	92.4	94.0	95.0	96.2	97.0	97.6	98.2	98.3	98.3	98.6	98.9	99.2	99.6
≥ 0	71.4	85.7	89.1	92.4	94.0	95.0	96.2	97.0	97.6	98.2	98.3	98.3	98.6	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS - L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	35.6	41.0	42.1	43.0	43.8	44.1	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5
≥ 20000	39.1	44.8	46.0	47.0	47.8	48.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6
≥ 18000	39.1	44.8	46.0	47.0	47.8	48.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6
≥ 16000	39.1	44.8	46.0	47.0	47.8	48.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6
≥ 14000	39.5	45.4	46.6	47.6	48.4	48.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2
≥ 12000	40.7	46.7	48.0	49.1	49.9	50.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.7
≥ 10000	43.1	49.9	51.5	52.7	53.9	54.2	55.2	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8
≥ 9000	43.5	50.5	52.1	53.3	54.5	54.8	55.9	56.3	56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5
≥ 8000	44.6	52.0	53.5	54.7	55.9	56.3	57.3	57.7	57.7	57.7	57.8	57.8	57.8	57.9	57.9	57.9
≥ 7000	45.6	53.0	54.6	55.9	57.1	57.5	58.5	58.9	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.1
≥ 6000	46.5	54.0	55.8	57.1	58.3	58.7	59.7	60.1	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3
≥ 5000	49.2	57.8	59.6	61.6	63.0	63.4	64.6	65.0	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2
≥ 4500	53.3	62.4	64.4	66.5	68.0	68.6	69.9	70.3	70.3	70.3	70.4	70.4	70.5	70.5	70.5	70.5
≥ 4000	54.7	64.5	66.5	68.7	70.3	70.8	72.2	72.6	72.6	72.6	72.8	72.8	72.9	72.9	72.9	72.9
≥ 3500	56.2	66.9	68.9	71.1	72.6	73.2	74.6	75.0	75.0	75.0	75.1	75.1	75.3	75.3	75.3	75.3
≥ 3000	58.1	69.7	71.9	74.1	75.6	76.2	77.8	78.3	78.3	78.3	78.4	78.4	78.5	78.5	78.5	78.5
≥ 2500	60.5	73.0	75.6	78.0	79.8	80.4	82.0	82.4	82.4	82.4	82.6	82.6	82.7	82.7	82.7	82.7
≥ 2000	62.5	75.7	78.9	81.6	83.5	84.1	85.7	86.1	86.1	86.1	86.3	86.3	86.4	86.4	86.4	86.4
≥ 1800	63.2	76.7	79.9	82.7	84.6	85.2	86.7	87.2	87.2	87.2	87.3	87.3	87.5	87.5	87.5	87.5
≥ 1500	64.9	78.6	82.0	84.9	87.0	87.6	89.5	90.1	90.2	90.2	90.4	90.4	90.6	90.6	90.6	90.6
≥ 1200	65.2	79.2	82.6	85.7	88.1	88.9	90.8	91.5	91.6	91.6	92.0	92.0	92.1	92.1	92.1	92.1
≥ 1000	65.6	79.6	83.3	86.4	88.8	89.7	91.9	92.6	92.7	92.7	93.1	93.1	93.2	93.2	93.2	93.2
≥ 900	65.8	79.8	83.5	86.6	89.0	90.0	92.1	92.8	93.0	93.0	93.3	93.3	93.4	93.4	93.4	93.4
≥ 800	65.8	79.9	83.6	86.9	89.2	90.2	92.4	93.1	93.2	93.2	93.5	93.5	93.7	93.7	93.7	93.7
≥ 700	65.8	80.2	84.0	87.2	89.7	90.7	93.0	93.7	93.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4
≥ 600	65.8	80.2	84.0	87.5	90.1	91.2	93.4	94.1	94.5	94.5	94.9	94.9	95.0	95.0	95.0	95.0
≥ 500	65.8	80.2	84.1	87.6	90.2	91.3	93.7	94.4	94.7	94.7	95.1	95.1	95.2	95.3	95.3	95.3
≥ 400	65.8	80.2	84.1	87.7	90.4	91.6	94.3	95.2	95.6	95.7	96.1	96.2	96.3	96.4	96.4	96.4
≥ 300	65.8	80.2	84.1	87.7	90.4	91.6	94.7	95.7	96.5	96.8	97.3	97.4	97.5	97.6	97.6	97.6
≥ 200	65.8	80.2	84.1	87.7	90.4	91.6	94.9	95.9	96.8	97.1	97.7	97.8	98.1	98.2	98.2	98.6
≥ 100	65.8	80.2	84.1	87.7	90.4	91.6	94.9	95.9	96.9	97.5	98.2	98.3	98.8	98.9	99.3	99.9
≥ 0	65.8	80.2	84.1	87.7	90.4	91.6	94.9	95.9	96.9	97.5	98.2	98.3	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING ≥ 20000	27.2	36.3	39.1	40.5	41.6	42.4	42.9	43.4	43.5	43.5	43.8	44.0	44.1	44.1	44.3	44.3
≥ 18000	29.9	40.0	42.8	44.9	45.6	46.7	47.2	47.8	47.9	48.3	48.4	48.5	48.5	48.7	48.7	48.7
≥ 16000	30.2	40.4	43.1	44.8	46.0	47.1	47.6	48.1	48.3	48.3	48.6	48.7	48.9	48.9	49.1	49.1
≥ 14000	30.5	40.6	43.4	45.0	46.2	47.3	47.8	48.4	48.5	48.5	48.9	49.0	49.1	49.1	49.3	49.3
≥ 12000	30.8	41.0	43.8	45.5	46.7	47.8	48.4	49.0	49.1	49.1	49.5	49.6	49.7	49.7	49.9	49.9
≥ 10000	32.0	42.7	45.5	47.4	49.0	50.1	50.7	51.3	51.4	51.4	51.7	51.9	52.0	52.0	52.2	52.2
≥ 9000	33.7	45.3	48.3	50.3	52.2	53.3	53.9	54.6	54.7	54.7	55.1	55.2	55.3	55.3	55.6	55.6
≥ 8000	33.8	45.5	48.6	50.7	52.6	53.6	54.4	55.2	55.3	55.3	55.7	55.8	55.9	55.9	56.2	56.2
≥ 7000	35.4	47.7	51.0	53.0	55.0	56.2	56.9	57.8	57.9	57.9	58.3	58.4	58.5	58.5	58.8	58.8
≥ 6000	35.6	48.4	51.9	53.9	55.8	57.0	57.8	58.8	58.9	58.9	59.3	59.4	59.5	59.5	59.7	59.7
≥ 5000	36.4	50.1	53.5	55.6	57.6	58.8	59.6	60.6	60.7	60.7	61.1	61.2	61.3	61.3	61.5	61.5
≥ 4500	38.1	53.3	57.1	59.1	61.5	62.8	63.9	65.1	65.6	65.7	66.1	66.2	66.4	66.5	66.8	66.8
≥ 4000	39.3	56.3	60.6	62.8	65.5	66.8	67.9	69.1	69.5	69.7	70.0	70.1	70.4	70.5	70.7	70.7
≥ 3500	40.4	57.7	62.2	64.6	67.6	68.9	70.0	71.3	71.8	71.9	72.3	72.4	72.6	72.8	73.0	73.0
≥ 3000	41.1	58.5	63.3	65.7	68.7	70.1	71.2	72.6	73.1	73.2	73.6	73.7	74.0	74.1	74.3	74.3
≥ 2500	42.7	60.9	66.2	68.8	71.8	73.2	74.3	75.7	76.2	76.5	76.8	76.9	77.2	77.3	77.5	77.5
≥ 2000	44.7	65.2	70.8	73.8	76.9	78.6	79.8	81.2	81.7	82.0	82.3	82.4	82.7	82.8	83.0	83.0
≥ 1800	46.2	68.5	74.2	77.4	80.6	82.3	83.6	85.1	85.5	85.8	86.1	86.3	86.5	86.6	86.9	86.9
≥ 1500	46.4	68.8	74.6	77.8	81.1	82.8	84.1	85.5	86.0	86.3	86.6	86.7	87.0	87.1	87.3	87.3
≥ 1200	47.4	70.6	76.3	79.8	83.2	85.2	86.6	88.2	88.6	88.9	89.2	89.4	89.6	89.7	90.0	90.0
≥ 1000	47.7	70.8	76.6	80.3	83.9	85.9	87.5	89.5	90.2	90.4	90.8	90.9	91.2	91.3	91.5	91.5
≥ 900	47.8	71.0	76.8	80.6	84.2	86.3	87.8	89.8	90.7	90.9	91.3	91.4	91.6	91.8	92.0	92.0
≥ 800	47.8	71.2	77.1	80.9	84.5	86.5	88.1	90.1	90.9	91.2	91.5	91.6	91.9	92.0	92.2	92.2
≥ 700	47.8	71.7	77.5	81.4	85.2	87.2	88.8	90.8	91.8	92.0	92.4	92.5	92.7	92.8	93.1	93.1
≥ 600	47.8	71.8	77.7	81.5	85.3	87.3	88.9	91.0	92.1	92.4	92.7	92.8	93.1	93.2	93.4	93.4
≥ 500	47.8	71.9	77.9	82.0	85.9	88.1	89.8	92.1	93.7	94.1	94.5	94.6	95.0	95.1	95.3	95.3
≥ 400	47.8	72.0	78.0	82.1	86.0	88.2	90.0	92.2	93.8	94.5	94.9	95.1	95.5	95.6	95.8	95.8
≥ 300	47.8	72.0	78.0	82.1	86.0	88.4	90.7	93.2	94.7	95.8	96.8	97.0	97.4	97.5	97.7	97.7
≥ 200	47.8	72.0	78.0	82.1	86.0	88.4	90.7	93.2	94.7	95.9	97.3	97.5	97.8	98.1	98.4	98.7
≥ 100	47.8	72.0	78.0	82.1	86.0	88.4	90.7	93.2	94.7	96.1	97.4	97.6	98.2	98.6	99.6	100.0
≥ 0	47.8	72.0	78.0	82.1	86.0	88.4	90.7	93.2	94.7	96.1	97.4	97.6	98.2	98.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287
STATION

NIAGARA FALLS, NY
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	32.4	42.3	43.5	44.4	44.8	45.4	45.4	45.4	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	35.1	45.8	47.1	48.3	48.6	49.2	49.2	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 18000	35.1	45.8	47.1	48.3	48.6	49.2	49.2	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 16000	35.4	46.0	47.3	48.5	48.9	49.5	49.5	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 14000	35.4	46.1	47.4	48.7	49.1	49.9	49.9	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	37.0	47.9	49.3	50.7	51.5	52.3	52.3	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000	39.7	51.3	52.8	54.1	55.0	55.8	55.8	55.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 9000	40.1	52.0	53.6	55.1	56.2	57.0	57.0	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000	41.6	54.6	56.3	57.7	58.8	59.7	59.7	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 7000	41.8	55.1	56.8	58.2	59.3	60.2	60.2	60.2	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 6000	42.1	55.7	57.5	59.0	60.1	61.1	61.1	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 5000	43.7	58.5	60.9	63.0	64.4	65.5	65.5	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 4500	44.7	60.2	62.8	65.2	66.8	67.9	67.9	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 4000	45.9	61.8	64.5	67.0	68.7	69.8	69.8	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 3500	48.0	65.0	67.7	70.4	72.3	73.4	73.4	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000	49.1	66.5	69.5	72.2	74.2	75.4	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	52.2	71.1	74.4	77.4	79.5	80.6	80.6	80.6	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 2000	53.6	73.8	77.5	81.0	83.0	84.3	84.5	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1800	54.1	74.6	78.3	81.8	83.9	85.3	85.4	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1500	55.7	77.5	81.5	85.1	87.1	88.6	88.9	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1200	56.4	78.7	83.0	87.1	89.2	90.8	91.0	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1000	56.4	79.0	83.4	87.9	90.2	92.0	92.2	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 900	56.4	79.0	83.5	88.2	90.6	92.5	92.7	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	56.4	79.1	83.8	88.6	91.2	93.2	93.4	93.4	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 700	56.5	79.6	84.2	89.2	91.9	93.9	94.3	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	56.5	79.6	84.3	89.7	92.6	94.7	95.2	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 500	56.5	79.6	84.3	89.7	92.7	95.2	95.7	96.1	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IV 400	56.5	79.6	84.3	89.7	92.8	95.5	95.9	96.4	97.1	97.8	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	56.5	79.6	84.5	89.8	93.1	95.8	96.4	97.0	97.7	98.4	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	56.5	79.6	84.5	89.8	93.1	95.8	96.5	97.3	98.1	98.8	99.2	99.3	99.4	99.4	99.5	99.6
IV 100	56.5	79.6	84.5	89.8	93.1	95.8	96.5	97.3	98.1	98.8	99.2	99.3	99.4	99.6	99.9	100.0
IV 0	56.5	79.6	84.5	89.8	93.1	95.8	96.5	97.3	98.1	98.8	99.2	99.3	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 817

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	37.3	44.8	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000	41.3	50.7	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 18000	41.6	50.9	51.5	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000	41.7	51.0	51.6	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 14000	42.4	51.9	52.4	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 12000	43.7	53.3	54.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 10000	45.6	55.9	56.8	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 9000	46.0	56.5	57.8	59.1	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 8000	48.0	59.3	60.7	62.0	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 7000	48.9	60.2	61.6	63.0	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 6000	49.9	61.8	63.2	64.6	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	51.3	63.6	65.5	67.3	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4500	53.0	65.8	67.7	69.5	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	54.2	67.4	69.4	71.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 3500	56.2	70.5	72.5	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3000	58.8	73.7	76.1	78.0	78.4	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	61.5	77.4	79.8	82.0	82.8	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2000	63.8	80.6	83.0	85.5	86.5	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	64.4	81.7	84.1	86.6	87.6	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500	65.6	83.8	86.7	89.7	90.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	65.7	84.5	87.7	90.8	91.9	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	65.8	84.8	88.4	91.8	93.0	94.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	65.8	84.9	88.5	91.9	93.1	94.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	65.8	85.4	89.1	92.6	93.8	95.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	65.8	85.4	89.4	93.0	94.1	95.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	65.8	85.7	90.1	93.7	94.9	96.2	97.3	97.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	65.8	85.8	90.2	93.8	95.0	96.3	97.4	98.0	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	65.8	85.8	90.2	93.8	95.0	96.3	97.5	98.1	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	65.8	85.8	90.2	93.9	95.1	96.7	97.8	98.4	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	65.8	85.8	90.2	93.9	95.1	96.7	97.8	98.4	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	65.8	85.8	90.2	93.9	95.1	96.7	97.8	98.4	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	65.8	85.8	90.2	93.9	95.1	96.7	97.8	98.4	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

AD-A116 089

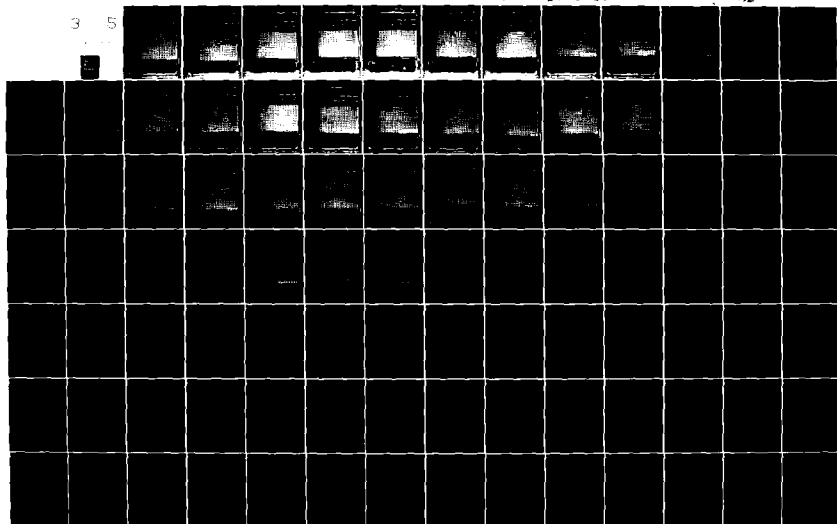
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
NIAGARA FALLS, NEW YORK. REVISED UNIFORM SUMMARY OF SURFACE WFA--ETC (11)
APR 02

UNCLASSIFIED USAFETAC/DS-82/021

S81-AD-E850 166

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3 5



GLOBAL CLIMATELOGY BRANCH
USAFETAS
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

72-81

887

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1078

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4
NO CEILING	36.6	41.1	42.6	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 20000	41.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 10000	42.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 5000	42.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 14000	43.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 12000	43.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 10000	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 8000	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 6000	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 4000	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 3000	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 2000	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 1800	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 1600	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 1400	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 1200	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 1000	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 900	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 800	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 700	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 600	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 500	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 400	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 300	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 200	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 100	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 0	47.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6

CONTINUED ON REVERSE SIDE

CEILING VERSUS VIOLENCE

Abstract

CROSS FEET	VOLUME (CROSS FEET)																
	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	
100 CROSS 2 20000	34.5	61.5	82.5	103.5	124.5	145.5	166.5	187.5	208.5	229.5	250.5	271.5	292.5	313.5	334.5	355.5	376.5
2 10000	39.5	66.5	87.5	108.5	129.5	150.5	171.5	192.5	213.5	234.5	255.5	276.5	297.5	318.5	339.5	360.5	381.5
2 10000	39.5	66.5	87.5	108.5	129.5	150.5	171.5	192.5	213.5	234.5	255.5	276.5	297.5	318.5	339.5	360.5	381.5
2 10000	41.5	68.5	89.5	110.5	131.5	152.5	173.5	194.5	215.5	236.5	257.5	278.5	299.5	320.5	341.5	362.5	383.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000	46.5	73.5	94.5	115.5	136.5	157.5	178.5	199.5	220.5	241.5	262.5	283.5	304.5	325.5	346.5	367.5	388.5
2 10000																	

CLASSIFICATION
GROUP
AND NUMBER

DATE

NO.	DATE	DESCRIPTION	AMOUNT	CHECK NO.	INITIALS
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DECLASSIFICATION AUTHORITY: 25 USC 552

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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CEILING VERSUS VISIBILITY

100

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

725227 NIAGARA FALLS, NY

72-01

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4000-4400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10
NO CEILING 2 0000	31.0	29.0	42.1	46.0	48.0	48.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
2 0000 2 1000	33.0	42.1	47.0	52.0	53.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2 1000 2 1500	38.0	48.0	49.0	55.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2 1500 2 2000	38.0	49.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 2000 2 2500	39.0	51.0	53.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 2500 2 3000	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 3000 2 3500	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 3500 2 4000	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 4000 2 4500	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 4500 2 5000	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 5000 2 5500	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 5500 2 6000	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 6000 2 6500	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 6500 2 7000	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 7000 2 7500	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 7500 2 8000	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 8000 2 8500	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 8500 2 9000	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 9000 2 9500	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
2 9500 3 000	40.0	53.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0

END PAGE

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GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

725267 NIAGARA FALLS NY

72-01

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1955-1966

CEILING FEET	VISIBILITY (statute miles)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4
10000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
8000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
7000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
4000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
2000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1000	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
500	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
200	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
100	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
50	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
20	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
10	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
0	35.0	42.0	44.0	47.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

CHANGING VIBRUS VIOLENITY

22522 22522

PROCEEDINGS OF THE
CONFERENCE ON
THE FUTURE OF THE
UNITED STATES

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIABARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

411

CEILING FEET	VISIBILITY (STATUTE MILES)															
	24	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	36.0	43.0	46.3	48.9	50.4	51.0	51.3	51.5	51.5	51.6	51.6	51.6	51.6	51.7	51.7	51.7
Z 30000	39.1	48.0	50.0	53.7	55.0	56.3	56.6	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.1
Z 10000	39.3	48.2	51.0	53.9	55.0	56.0	56.0	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.3
Z 16000	39.6	48.6	51.4	54.9	56.3	57.0	57.2	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.8
Z 14000	40.1	49.3	52.2	55.2	57.1	57.0	58.1	58.3	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6
Z 12000	41.0	50.5	54.0	57.3	59.3	60.0	60.3	60.5	60.6	60.7	60.7	60.7	60.7	60.8	60.8	60.8
Z 10000	43.0	53.1	56.3	59.0	61.0	62.0	63.0	63.2	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.5
Z 9000	43.3	53.8	56.7	60.2	62.3	63.3	63.5	63.7	63.8	63.9	63.9	63.9	63.9	64.0	64.0	64.0
Z 8000	44.0	55.3	58.0	62.0	64.7	65.0	65.9	66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.5
Z 7000	45.1	56.1	59.6	63.3	65.0	66.0	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
Z 6000	48.9	57.3	60.9	64.0	66.9	67.9	68.3	68.0	68.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0
Z 5000	48.3	60.0	63.7	68.7	71.1	72.2	72.6	72.9	72.9	73.1	73.1	73.1	73.2	73.2	73.2	73.2
Z 4500	51.0	64.0	68.0	73.0	78.7	78.0	77.3	77.0	77.7	77.0	77.9	77.9	77.9	77.9	78.0	78.0
Z 4000	52.0	66.7	71.2	75.7	78.5	79.9	80.4	80.7	80.9	81.0	81.0	81.0	81.0	81.1	81.1	81.1
Z 3500	54.1	69.0	73.7	78.3	81.3	82.7	83.3	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.1	84.1
Z 3000	55.0	70.9	75.9	80.7	83.8	85.2	86.1	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.9	86.9
Z 2500	56.0	72.7	77.9	83.0	86.2	88.0	88.7	89.1	89.2	89.3	89.4	89.4	89.5	89.5	89.5	89.6
Z 2000	57.1	74.0	79.3	85.0	88.5	90.0	91.0	91.0	92.0	92.1	92.2	92.2	92.3	92.3	92.3	92.4
Z 1800	57.0	74.4	80.2	85.0	89.1	91.2	92.1	92.0	92.7	92.0	92.9	92.9	92.9	92.9	93.0	93.0
Z 1500	58.4	75.0	81.9	87.1	90.0	93.1	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.2
Z 1200	58.3	75.0	81.7	87.0	91.0	93.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
Z 1000	58.7	76.2	82.2	88.1	92.1	93.0	93.0	94.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
Z 900	58.7	76.3	82.3	88.2	92.2	94.0	95.0	96.0	96.7	96.0	96.9	96.9	97.0	97.0	97.1	97.1
Z 800	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 700	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 600	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 500	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 400	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 300	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 200	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 100	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
Z 0	58.0	76.3	82.3	88.2	92.2	94.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 4472

GLOBAL CLIMATELOGY DIVISION
USAF/AFM
AFD WEATHER SERVICE/AFM

CEILING VERSUS VISIBILITY

720007 FLORIDA BULLS, FL

1968

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM VISIBILITY OBSERVATIONS)

1000000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10
10000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
9000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
8000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
7000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
4000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
3000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
2000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
1000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
500	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72287 NIAGARA FALLS NY

72-81

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
1971

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥½	¼	00
NO CEILING	48.0	55.1	58.6	61.0	62.6	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 2000	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1800	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1600	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1400	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1200	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1000	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 800	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 600	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 400	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 200	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 100	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 0	50.1	58.0	61.5	63.9	65.5	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7

GLOBAL CLIMATOLOGY DIVISION
USAF/ETAS
AIR WEATHER SERVICE/WSR

CEILING VERSUS VISIBILITY

720007 HAWAII FALLS HI

72-00

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

00000000

CEILING (FEET)	VISIBILITY RANGE (MILES)															
	2 1/2	2 1/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4	2 1/2	2 3/4
10000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
9000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
8000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
7000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
6000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
5000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
4000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
3000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
1000	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
500	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
0	57.1	66.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0

TOTAL NUMBER OF OBSERVATIONS: 1000

FORM 1041 1-64 (1041-1) (1041-1) (1041-1) (1041-1)

GLOBAL CLIMATOLOGY DIVISION
USAFETAC
AIR WEATHER SERVICE/RSC

CEILING VERSUS VISIBILITY

775000 HEADQUARTERS FALLS, AK

775000

AK

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

PERCENT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 2000	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1800	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1600	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1400	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1200	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1000	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 800	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 600	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 400	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 200	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 100	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 50	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 25	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 10	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 5	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 2	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1/2	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1/4	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1/8	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1/16	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1/32	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1/64	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1/128	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1/256	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 0	37.0	45.0	49.0	49.0	50.0	52.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0

PERCENTAGE FREQUENCY OF OCCURRENCE

USAF ETAC 6-146 (OL A) (REVISION 10-1-77)

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/HAS

CEILING VERSUS VISIBILITY

72227 NIAGARA FALLS NY

72-01

AM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000

CEILING (FEET)	VISIBILITY (statute miles)															
	2 1/2	2 1/4	2 3/8	2 1/2	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4	2 1/8	2 1/4
NO CEILING	29.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 2000	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 1800	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 1600	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 1400	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 1200	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 1000	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 800	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 600	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 400	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 200	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 100	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 50	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 25	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 10	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 5	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0

NOTE: SEE G-1000-1 FOR ADDITIONAL INFORMATION

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

AME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	25.9	35.8	38.7	41.2	43.2	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 7000	30.1	41.0	44.3	47.1	49.5	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	30.3	41.2	44.6	47.3	49.7	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	30.5	41.3	44.7	47.4	49.9	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 14000	31.4	42.5	46.0	48.7	51.3	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	32.5	44.4	48.4	51.4	53.9	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 10000	34.9	47.0	52.4	55.7	58.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000	35.2	48.4	53.0	56.4	59.5	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 8000	36.7	50.4	55.2	58.8	61.8	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 7000	37.4	51.5	56.4	59.9	63.1	65.0	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 6000	37.6	51.7	56.6	60.2	63.6	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	38.8	53.9	58.9	63.0	66.4	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	39.5	54.8	59.9	64.3	68.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	40.7	56.4	61.8	66.9	70.7	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3500	42.7	59.1	64.4	69.7	73.8	76.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	45.4	63.8	69.4	75.0	79.7	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	46.4	65.9	72.3	78.0	82.9	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	48.4	68.7	75.6	82.0	87.3	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	48.7	69.1	76.0	82.7	88.1	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	49.4	70.3	77.3	84.3	90.2	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	49.9	70.8	78.6	85.9	92.0	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	50.2	71.3	79.1	86.5	92.5	96.3	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	50.3	71.4	79.2	86.5	92.6	96.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	50.3	71.7	79.3	86.7	92.8	96.7	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	50.3	71.7	79.4	87.0	93.1	96.9	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	50.3	71.8	79.8	87.3	93.7	97.4	98.7	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	50.3	72.2	80.2	87.7	94.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725207 NIABARA FALLS NY

73-81

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	32.3	39.4	42.4	44.4	46.7	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	17.0	44.4	49.4	52.4	54.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	37.4	46.4	49.4	52.4	55.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	37.4	46.4	49.4	52.4	55.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	38.4	47.4	51.4	53.4	56.4	57.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	39.4	49.4	53.4	56.4	59.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	41.4	52.4	57.4	60.4	63.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 9000	42.4	53.4	58.4	61.4	65.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 8000	43.4	54.4	60.4	64.4	68.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 7000	44.4	55.4	62.4	66.4	70.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	45.4	57.4	62.4	66.4	69.4	71.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 5000	47.4	60.4	63.4	70.4	73.4	75.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 4500	47.4	62.4	68.4	73.4	76.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	49.4	65.4	71.4	74.4	80.4	82.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3500	50.4	66.4	72.4	78.4	83.4	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000	52.4	69.4	75.4	81.4	86.4	88.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500	53.4	71.4	77.4	84.4	88.4	91.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	54.4	72.4	79.4	86.4	91.4	93.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	54.4	72.4	79.4	86.4	91.4	93.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1600	54.4	72.4	80.4	87.4	92.4	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1400	54.4	73.4	80.4	87.4	93.4	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	54.4	73.4	81.4	88.4	94.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	54.4	73.4	81.4	88.4	94.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	54.4	73.4	81.4	88.4	94.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	54.4	73.4	81.4	88.4	94.4	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	54.4	73.4	81.4	89.4	94.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	54.4	73.4	81.4	89.4	94.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	54.4	73.4	81.4	89.4	94.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	54.4	73.4	81.4	89.4	94.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	54.4	73.4	81.4	89.4	94.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	54.4	73.4	81.4	89.4	94.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	54.4	73.4	81.4	89.4	94.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	54.4	73.4	81.4	89.4	94.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 117

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
JAN 1977

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥0	≥0
NO CEILING	29.9	39.2	42.7	45.0	49.0	51.1	51.9	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	36.0	47.6	51.9	55.8	60.2	62.0	62.9	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	36.0	48.1	52.4	56.0	60.6	62.4	63.4	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	36.0	48.1	52.5	56.1	60.8	62.7	63.8	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 14000	37.7	50.6	55.1	58.9	63.8	65.7	66.6	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	39.9	52.6	57.7	61.8	66.8	68.9	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 10000	42.7	57.2	62.7	66.6	71.9	73.9	74.9	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 9000	43.7	58.8	64.0	67.9	73.3	75.8	76.3	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	43.9	59.0	64.4	69.4	75.1	77.2	78.1	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 7000	44.2	60.1	65.9	70.6	75.8	77.8	78.9	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	44.4	60.8	66.1	70.2	76.4	78.5	79.5	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	46.8	63.4	69.3	73.3	79.9	81.7	82.9	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	47.8	65.7	71.9	76.1	82.4	84.0	84.0	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	49.4	67.8	73.7	77.9	84.6	87.3	88.5	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	50.0	68.1	74.9	78.9	86.0	88.0	90.0	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3000	51.2	69.8	76.1	80.6	87.9	90.8	92.0	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2500	51.3	70.0	76.8	81.0	89.0	92.3	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	51.6	70.7	77.8	82.8	90.6	93.7	95.2	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	51.8	71.1	78.0	82.9	90.9	94.0	95.6	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	51.9	71.4	78.6	83.7	91.9	95.1	96.7	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	52.0	71.6	79.1	84.2	92.9	95.7	97.2	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	52.0	71.9	79.3	84.8	93.2	96.7	98.2	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 824

USAF ETAC FORM 8-14-5 (OL A) REVISIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725227 NIAGARA FALLS, NY

72-00

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21000000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2	2 1/4	2 3/8	2 1/2
NO CEILING Z 20000	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 18000 Z 16000	39.2	38.2	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 14000 Z 12000	39.2	38.2	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 10000 Z 8000	43.6	40.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 6000 Z 4000	45.6	40.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 3000 Z 2000	46.8	40.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 1500 Z 1000	50.4	40.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 800 Z 600	52.4	40.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 400 Z 300	54.4	40.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 200 Z 100	54.4	40.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
Z 100 Z 0	54.4	40.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0

TOTAL NUMBER OF OBSERVATIONS: 21000000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIABARA FALLS NY

73-81

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	29.0	38.4	41.9	44.4	46.7	48.5	49.2	49.6	49.7	49.8	49.9	49.9	49.9	49.9	49.9	50.0
≥ 20000	32.6	43.6	47.5	50.5	53.2	55.8	58.0	60.0	61.8	63.2	64.2	65.0	65.5	65.8	66.0	66.2
≥ 18000	32.7	43.7	47.6	50.6	53.4	56.0	58.2	60.2	62.0	63.4	64.4	65.2	65.7	66.0	66.2	66.4
≥ 16000	32.9	43.9	47.9	50.9	53.7	56.2	58.4	60.4	62.2	63.6	64.6	65.4	65.9	66.2	66.4	66.6
≥ 14000	33.2	44.2	48.2	51.2	54.0	56.5	58.7	60.7	62.5	63.9	64.9	65.7	66.2	66.5	66.7	66.9
≥ 12000	33.4	44.4	48.4	51.4	54.2	56.7	58.9	60.9	62.7	64.1	65.1	65.9	66.4	66.7	66.9	67.1
≥ 10000	33.6	44.6	48.6	51.6	54.4	56.9	59.1	61.1	62.9	64.3	65.3	66.1	66.6	66.9	67.1	67.3
≥ 9000	33.7	44.7	48.7	51.7	54.5	57.0	59.2	61.2	63.0	64.4	65.4	66.2	66.7	67.0	67.2	67.4
≥ 8000	33.8	44.8	48.8	51.8	54.6	57.1	59.3	61.3	63.1	64.5	65.5	66.3	66.8	67.1	67.3	67.5
≥ 7000	33.9	44.9	48.9	51.9	54.7	57.2	59.4	61.4	63.2	64.6	65.6	66.4	66.9	67.2	67.4	67.6
≥ 6000	34.0	45.0	49.0	52.0	54.8	57.3	59.5	61.5	63.3	64.7	65.7	66.5	67.0	67.3	67.5	67.7
≥ 5000	34.1	45.1	49.1	52.1	54.9	57.4	59.6	61.6	63.4	64.8	65.8	66.6	67.1	67.4	67.6	67.8
≥ 4500	34.2	45.2	49.2	52.2	55.0	57.5	59.7	61.7	63.5	64.9	65.9	66.7	67.2	67.5	67.7	67.9
≥ 4000	34.3	45.3	49.3	52.3	55.1	57.6	59.8	61.8	63.6	65.0	66.0	66.8	67.3	67.6	67.8	68.0
≥ 3500	34.4	45.4	49.4	52.4	55.2	57.7	59.9	61.9	63.7	65.1	66.1	66.9	67.4	67.7	67.9	68.1
≥ 3000	34.5	45.5	49.5	52.5	55.3	57.8	60.0	62.0	63.8	65.2	66.2	67.0	67.5	67.8	68.0	68.2
≥ 2500	34.6	45.6	49.6	52.6	55.4	57.9	60.1	62.1	63.9	65.3	66.3	67.1	67.6	67.9	68.1	68.3
≥ 2000	34.7	45.7	49.7	52.7	55.5	58.0	60.2	62.2	64.0	65.4	66.4	67.2	67.7	68.0	68.2	68.4
≥ 1800	34.8	45.8	49.8	52.8	55.6	58.1	60.3	62.3	64.1	65.5	66.5	67.3	67.8	68.1	68.3	68.5
≥ 1600	34.9	45.9	49.9	52.9	55.7	58.2	60.4	62.4	64.2	65.6	66.6	67.4	67.9	68.2	68.4	68.6
≥ 1400	35.0	46.0	50.0	53.0	55.8	58.3	60.5	62.5	64.3	65.7	66.7	67.5	68.0	68.3	68.5	68.7
≥ 1200	35.1	46.1	50.1	53.1	55.9	58.4	60.6	62.6	64.4	65.8	66.8	67.6	68.1	68.4	68.6	68.8
≥ 1000	35.2	46.2	50.2	53.2	56.0	58.5	60.7	62.7	64.5	65.9	66.9	67.7	68.2	68.5	68.7	68.9
≥ 900	35.3	46.3	50.3	53.3	56.1	58.6	60.8	62.8	64.6	66.0	67.0	67.8	68.3	68.6	68.8	69.0
≥ 800	35.4	46.4	50.4	53.4	56.2	58.7	60.9	62.9	64.7	66.1	67.1	67.9	68.4	68.7	68.9	69.1
≥ 700	35.5	46.5	50.5	53.5	56.3	58.8	61.0	63.0	64.8	66.2	67.2	68.0	68.5	68.8	69.0	69.2
≥ 600	35.6	46.6	50.6	53.6	56.4	58.9	61.1	63.1	64.9	66.3	67.3	68.1	68.6	68.9	69.1	69.3
≥ 500	35.7	46.7	50.7	53.7	56.5	59.0	61.2	63.2	65.0	66.4	67.4	68.2	68.7	69.0	69.2	69.4
≥ 400	35.8	46.8	50.8	53.8	56.6	59.1	61.3	63.3	65.1	66.5	67.5	68.3	68.8	69.1	69.3	69.5
≥ 300	35.9	46.9	50.9	53.9	56.7	59.2	61.4	63.4	65.2	66.6	67.6	68.4	68.9	69.2	69.4	69.6
≥ 200	36.0	47.0	51.0	54.0	56.8	59.3	61.5	63.5	65.3	66.7	67.7	68.5	69.0	69.3	69.5	69.7
≥ 100	36.1	47.1	51.1	54.1	56.9	59.4	61.6	63.6	65.4	66.8	67.8	68.6	69.1	69.4	69.6	69.8
≥ 0	36.2	47.2	51.2	54.2	57.0	59.5	61.7	63.7	65.5	66.9	67.9	68.7	69.2	69.5	69.7	69.9

TOTAL NUMBER OF OBSERVATIONS 1000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS NY

72-01

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

4829-17000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	210	20	25	24	23	22 1/2	22	21 1/2	21	20 1/2	20	19 1/2	19	18 1/2	18	20
NO CEILING	39.1	48.9	47.4	48.9	49.6	49.9	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 14000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 12000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 8000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 7000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 6000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 5000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 4000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 3000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 2000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 1800	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 1600	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 1400	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 1200	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 1000	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 900	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 800	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 700	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 600	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 500	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 400	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 300	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 200	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 100	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 0	42.1	50.7	51.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4

USAF ETAC 0-14-6 (REV. A) OTHER EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725207 NIAGARA FALLS NY

72-01

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	36.3	44.3	45.9	46.8	47.3	47.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	38.5	47.5	49.3	50.5	51.2	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 18000	38.5	47.5	49.3	50.5	51.2	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	38.5	47.5	49.3	50.5	51.2	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000	38.5	47.5	49.3	50.5	51.2	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 12000	40.0	49.1	50.9	52.1	52.9	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	41.2	51.1	52.8	54.4	55.2	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	42.7	51.5	53.7	54.1	57.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	43.1	53.4	55.7	57.4	58.2	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	43.5	55.0	55.8	57.5	58.5	58.5	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	44.7	55.3	57.4	59.1	59.9	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 5000	47.5	58.5	61.0	61.6	60.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	49.9	62.7	65.7	67.8	68.0	69.1	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	51.0	64.8	67.8	70.5	71.1	71.6	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500	52.0	67.8	71.1	74.1	74.9	75.4	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3000	55.9	72.1	75.7	79.5	80.5	81.0	81.7	82.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	56.9	74.2	78.0	81.4	82.8	83.3	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	58.5	77.1	81.0	85.0	87.9	87.5	88.0	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	59.1	77.8	82.1	84.8	87.9	88.4	89.3	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	60.1	79.1	83.0	85.5	88.5	89.1	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	61.4	80.6	85.4	89.4	91.4	92.0	93.0	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	61.5	80.7	85.7	89.6	91.7	92.0	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	61.7	81.1	86.3	90.4	92.8	93.1	94.1	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	62.1	82.5	87.8	91.1	93.3	93.6	94.9	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	62.2	82.1	87.4	91.5	93.6	93.8	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	62.3	82.3	87.4	91.5	93.6	93.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	62.3	82.3	87.7	92.4	94.8	95.4	96.8	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	62.3	82.3	87.7	92.4	94.8	95.4	96.8	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	62.3	82.3	87.7	92.4	94.8	95.4	96.8	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	62.3	82.3	87.7	92.4	94.8	95.4	96.8	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	62.3	82.3	87.7	92.4	94.8	95.4	96.8	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	62.3	82.3	87.7	92.4	94.8	95.4	96.8	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 252

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 MIABARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	25.4	32.7	34.3	34.8	39.1	41.2	42.8	42.3	42.9	42.7	42.7	42.7	42.8	42.8	42.8	43.0
≥ 20000	27.7	35.4	37.0	37.5	42.0	45.1	45.9	46.7	46.8	47.2	47.2	47.2	47.4	47.4	47.4	47.9
≥ 18000	27.7	35.4	37.0	37.5	42.0	45.1	45.9	46.7	46.8	47.2	47.2	47.2	47.4	47.4	47.4	47.9
≥ 16000	27.7	35.4	37.0	37.5	42.0	45.1	45.9	46.7	46.8	47.2	47.2	47.2	47.4	47.4	47.4	47.9
≥ 14000	27.7	35.4	37.0	37.5	42.0	45.1	45.9	46.7	46.8	47.2	47.2	47.2	47.4	47.4	47.4	47.9
≥ 12000	27.7	35.4	37.0	37.5	42.0	45.1	45.9	46.7	46.8	47.2	47.2	47.2	47.4	47.4	47.4	47.9
≥ 10000	29.8	38.0	40.4	43.0	46.8	49.1	50.8	50.9	51.0	51.4	51.6	51.7	51.9	51.9	51.9	52.0
≥ 9000	30.7	38.0	42.3	45.3	48.3	51.0	51.0	52.3	52.3	52.3	53.0	53.0	53.7	53.7	53.7	53.7
≥ 8000	30.7	40.2	42.8	46.3	49.2	52.3	53.2	54.0	54.2	54.4	54.7	54.8	54.9	54.9	54.9	55.2
≥ 7000	31.0	41.7	44.2	47.7	50.8	53.7	54.7	55.0	55.7	56.0	56.3	56.6	56.8	56.8	56.8	57.2
≥ 6000	31.7	42.8	44.8	49.0	52.3	55.2	56.2	57.2	57.3	57.7	57.9	58.0	58.1	58.1	58.1	58.2
≥ 5000	32.7	45.3	47.8	52.0	55.0	58.0	59.0	60.0	61.0	61.0	61.4	61.7	61.8	61.8	61.8	62.0
≥ 4500	33.0	48.0	50.9	55.4	59.0	62.0	64.0	64.9	65.2	65.7	65.9	66.0	66.2	66.2	66.2	66.2
≥ 4000	37.0	50.0	53.7	58.0	62.0	66.0	67.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	38.0	53.0	56.0	62.0	67.0	70.0	72.0	73.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3000	40.0	56.0	59.0	65.0	71.0	74.0	76.0	77.0	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	41.0	59.0	62.0	68.0	74.0	77.0	79.0	80.0	81.0	81.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	42.0	60.0	64.0	71.0	76.0	80.0	82.0	83.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	43.0	61.0	64.0	71.0	76.0	80.0	82.0	83.0	84.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1500	43.0	62.0	64.0	73.0	78.0	82.0	83.0	84.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1200	44.0	64.0	67.0	74.0	80.0	84.0	87.0	89.0	89.0	90.0	90.0	90.0	91.0	91.0	91.0	91.0
≥ 1000	44.0	64.0	68.0	75.0	81.0	84.0	87.0	89.0	89.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0
≥ 900	44.0	64.0	68.0	75.0	81.0	84.0	87.0	89.0	89.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0
≥ 800	44.0	64.0	68.0	75.0	81.0	84.0	87.0	89.0	89.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0
≥ 700	44.0	65.0	69.0	76.0	82.0	87.0	90.0	93.0	93.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0
≥ 600	44.0	65.0	69.0	76.0	82.0	87.0	90.0	93.0	93.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0
≥ 500	44.0	65.0	70.0	77.0	84.0	90.0	93.0	96.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0
≥ 400	44.0	65.0	70.0	77.0	84.0	90.0	93.0	96.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0
≥ 300	44.0	65.0	70.0	77.0	84.0	91.0	94.0	96.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0
≥ 200	44.0	65.0	70.0	77.0	84.0	91.0	94.0	96.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0
≥ 100	44.0	65.0	70.0	77.0	84.0	91.0	94.0	96.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0
≥ 0	44.0	65.0	70.0	77.0	84.0	91.0	94.0	96.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723287 NIABARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥1/2
NO CEILING	27.9	73.1	35.7	37.4	39.4	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	30.2	34.2	39.2	41.8	43.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	30.4	34.8	39.4	41.9	44.2	45.2	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 16000	30.6	34.8	39.4	42.2	44.2	45.4	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 14000	32.0	36.4	41.8	43.8	44.8	47.7	47.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 12000	32.7	37.4	42.2	44.2	47.8	48.8	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 10000	34.7	42.8	45.8	48.2	50.8	52.2	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 9000	35.4	43.8	46.8	49.2	51.8	52.2	52.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 8000	35.8	44.4	47.7	50.8	52.8	54.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 7000	36.4	45.2	48.8	51.8	53.2	55.2	55.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	38.2	47.8	51.8	54.2	56.2	57.2	57.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 5000	39.4	48.2	52.8	55.2	57.2	58.2	58.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 4000	41.7	52.7	56.7	59.2	62.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3000	42.2	53.2	58.2	61.2	62.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 2500	43.8	54.2	60.2	63.2	65.2	67.2	67.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 2000	44.8	55.2	61.2	64.2	66.2	68.2	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 1800	46.8	63.7	64.8	68.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 1600	48.8	65.7	66.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 1400	48.8	67.2	72.2	70.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 1200	52.2	67.2	70.2	70.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 1000	53.2	71.2	76.2	62.2	66.2	69.2	69.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 900	53.2	71.2	77.2	62.2	67.2	71.2	71.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 800	53.2	72.2	78.2	64.2	68.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 700	53.2	72.2	79.2	64.2	69.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 600	53.2	72.2	79.2	64.2	69.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 500	53.2	72.2	79.2	64.2	69.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 400	53.2	72.2	79.2	64.2	69.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 300	53.2	72.2	79.2	64.2	69.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 200	53.2	72.2	79.2	64.2	69.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 100	53.2	72.2	79.2	64.2	69.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 0	53.2	72.2	79.2	64.2	69.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 MIABARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	29.0	30.9	37.0	37.8	37.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 20000	31.0	30.1	31.0	32.2	32.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 18000	31.0	30.4	41.2	42.8	42.0	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 16000	31.0	30.4	41.2	42.8	42.0	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	32.0	39.0	42.0	43.0	44.0	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 12000	33.0	41.1	40.0	45.1	45.0	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 10000	35.1	44.9	47.0	49.1	49.0	50.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	35.0	45.0	48.0	50.0	50.0	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 8000	36.0	47.0	49.0	51.0	51.0	52.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 7000	37.0	48.0	51.0	52.0	52.0	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	39.0	49.0	52.0	54.0	54.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	41.0	52.0	55.0	57.0	57.0	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 4500	42.0	54.0	57.0	59.0	60.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	43.0	57.0	60.0	63.0	63.0	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 3500	47.0	60.0	63.0	66.0	67.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3000	52.0	66.0	69.0	73.0	73.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2500	57.0	72.0	76.0	80.0	81.0	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	58.0	74.0	78.0	82.0	83.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1800	59.0	75.0	79.0	83.0	84.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1600	60.0	77.0	83.0	86.0	87.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1400	61.0	79.0	84.0	88.0	89.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 400	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 300	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 200	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 100	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 0	61.0	80.0	85.0	89.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0

TOTAL NUMBER OF OBSERVATIONS 24.0

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	31.9	36.9	38.4	39.4	39.6	41.1	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	36.7	42.2	44.1	45.7	46.7	48.2	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 18000	37.3	43.1	44.9	46.7	47.7	49.2	49.3	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 16000	37.5	43.5	45.3	47.0	48.0	49.5	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	39.2	45.2	47.2	49.0	50.0	51.7	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000	40.2	46.8	48.8	50.9	51.9	53.7	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	42.7	50.1	52.2	54.2	55.4	57.2	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	43.2	50.6	52.7	54.8	55.9	57.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	44.7	52.0	54.2	57.0	58.1	60.0	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 7000	45.2	52.6	54.8	57.0	58.1	60.0	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000	46.2	54.7	57.0	59.8	60.7	62.6	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	49.1	58.2	60.6	63.2	64.1	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4500	52.2	62.0	65.2	67.9	69.2	71.7	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000	54.4	65.2	67.9	71.0	72.6	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	57.2	68.0	71.2	73.4	75.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3000	59.5	71.7	75.2	79.0	81.2	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	63.2	75.0	79.4	84.0	85.7	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	64.2	76.0	82.2	87.2	89.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	64.4	76.4	83.1	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1600	65.0	76.6	83.1	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1400	65.4	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 500	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 400	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 300	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 200	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 100	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 0	65.6	76.8	83.4	87.8	89.4	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7252A7 NIABARA FALLS, NY

73-81

868

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1959-1960

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	210	20	25	24	23	22 1/2	22	21 1/2	21 1/4	21	20 1/2	20	19 1/2	19	18	20
NO CEILING	38.1	43.1	44.0	44.7	45.8	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0
Z 20000	42.0	47.0	49.0	50.0	52.0	53.0	53.0	53.0	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
Z 18000	42.0	48.1	49.1	50.7	52.0	53.8	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
Z 16000	42.0	48.1	49.0	51.0	51.1	50.1	50.1	50.1	50.1	50.0	50.0	50.0	50.0	50.0	50.0	50.0
Z 14000	43.2	49.0	51.0	52.5	54.0	55.7	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
Z 12000	48.1	50.1	52.1	53.1	55.0	56.0	57.1	57.1	57.1	57.0	57.0	57.0	57.0	57.0	57.0	57.0
Z 10000	46.0	53.0	55.1	56.1	58.0	59.0	60.1	60.2	60.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0
Z 9000	47.0	50.1	54.0	57.0	59.0	61.0	61.1	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
Z 8000	48.0	56.1	58.0	60.1	62.1	63.0	63.7	63.0	63.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1
Z 7000	49.1	57.1	59.1	61.1	63.1	65.0	65.1	65.1	65.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0
Z 6000	49.0	58.0	60.0	62.2	64.1	65.0	66.0	66.1	66.1	66.0	66.0	66.0	66.0	66.0	66.0	66.0
Z 5000	51.1	59.0	61.0	64.1	66.1	67.0	68.0	68.1	68.1	68.0	68.0	68.0	68.0	68.0	68.0	68.0
Z 4500	54.0	64.2	66.1	68.0	71.0	73.0	73.1	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
Z 4000	56.0	66.0	69.0	72.0	74.1	76.0	76.1	76.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
Z 3500	59.1	69.0	72.0	75.1	78.0	79.0	80.2	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
Z 3000	61.1	70.0	77.0	79.0	83.1	85.0	85.1	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
Z 2500	63.1	77.2	79.0	83.0	86.1	88.0	88.0	88.0	88.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9
Z 2000	66.0	78.0	82.0	85.1	89.1	91.1	91.0	91.0	91.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
Z 1800	65.1	79.1	82.0	85.0	89.0	91.0	92.1	92.1	92.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0
Z 1500	65.0	80.0	83.0	87.0	91.0	93.0	93.1	93.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
Z 1200	66.2	81.1	84.0	88.0	92.0	94.1	94.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
Z 1000	66.2	81.1	84.0	88.0	92.0	94.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
Z 900	66.2	81.0	85.1	88.0	92.0	94.7	95.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
Z 800	66.2	81.0	85.1	88.0	92.0	94.0	95.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
Z 700	66.2	81.0	85.1	89.0	93.1	95.2	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
Z 600	66.2	81.0	85.1	89.1	93.1	95.0	96.0	96.0	96.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
Z 500	66.2	81.0	85.0	89.1	94.0	96.2	97.7	98.1	98.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0
Z 400	66.2	81.0	85.1	89.1	94.1	96.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Z 300	66.2	81.0	85.1	89.1	94.1	96.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Z 200	66.2	81.0	85.1	89.1	94.1	96.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Z 100	66.2	81.0	85.1	89.1	94.1	96.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Z 0	66.2	81.0	85.1	89.1	94.1	96.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722207 NIAGARA FALLS NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4
NO CEILING	41.5	47.2	48.1	49.0	49.5	50.0	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.1
Z 20000	49.1	51.7	53.1	54.2	54.9	55.5	56.2	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6
Z 18000	45.2	51.0	53.2	54.3	55.1	55.6	56.7	56.7	56.7	56.7	56.7	56.7	56.9	56.9	56.9	57.0
Z 16000	45.1	52.0	53.3	54.4	55.2	55.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.2
Z 14000	45.0	52.3	53.7	54.8	55.6	56.0	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.5
Z 12000	44.4	53.3	54.7	55.8	56.7	57.2	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.8
Z 10000	48.4	55.0	57.3	58.4	59.3	59.8	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.2	61.4
Z 9000	49.3	57.0	59.5	59.8	60.6	61.1	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.7
Z 8000	49.9	58.1	59.6	60.9	61.7	62.2	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.8
Z 7000	51.0	59.3	60.7	62.2	63.1	63.6	64.8	64.8	64.8	64.8	64.8	64.8	65.1	65.1	65.1	65.2
Z 6000	51.2	59.6	61.2	62.7	63.6	64.1	65.3	65.3	65.3	65.3	65.3	65.3	65.6	65.6	65.6	65.7
Z 5000	53.8	62.3	64.2	65.8	66.7	67.3	68.5	68.5	68.5	68.5	68.5	68.5	68.9	68.9	68.9	69.0
Z 4500	55.9	66.8	68.8	70.4	71.6	72.3	73.7	73.7	73.7	73.7	73.7	73.7	74.1	74.1	74.1	74.2
Z 4000	57.0	68.0	70.2	71.9	73.1	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.6	75.6	75.6	75.7
Z 3500	59.6	71.7	74.2	75.8	77.2	77.9	79.3	79.3	79.3	79.3	79.3	79.3	79.6	79.6	79.6	79.8
Z 3000	61.7	75.4	78.3	79.9	81.4	82.6	84.1	84.1	84.1	84.1	84.1	84.1	84.5	84.5	84.5	84.6
Z 2500	65.1	79.8	82.7	84.6	86.0	87.3	88.8	88.8	88.8	88.8	88.8	88.8	89.1	89.1	89.1	89.3
Z 2000	66.3	82.0	85.8	87.7	89.1	90.4	91.9	91.9	91.9	91.9	91.9	92.0	92.2	92.2	92.2	92.3
Z 1800	66.5	82.6	86.0	87.9	89.4	90.6	92.1	92.1	92.1	92.1	92.1	92.2	92.3	92.3	92.3	92.4
Z 1500	67.0	83.8	87.4	89.4	90.9	92.1	93.7	93.7	93.7	93.7	93.7	93.8	94.1	94.1	94.1	94.2
Z 1200	67.3	84.2	88.0	90.0	91.5	92.7	94.4	94.4	94.4	94.4	94.4	94.6	94.8	94.8	94.8	94.9
Z 1000	67.7	84.8	88.6	90.6	92.1	93.3	95.2	95.2	95.2	95.2	95.2	95.4	95.6	95.6	95.6	95.9
Z 900	67.7	85.1	88.9	90.9	92.3	93.6	95.4	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	96.2
Z 800	67.7	85.2	89.0	91.0	92.4	93.7	95.6	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	96.2
Z 700	67.7	85.2	89.0	91.0	92.4	93.7	95.6	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	96.3
Z 600	67.8	85.4	89.1	91.2	92.5	93.8	95.7	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 500	67.8	85.4	89.1	91.2	92.5	93.8	95.7	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 400	67.8	85.4	89.1	91.2	92.5	93.8	95.7	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 300	67.8	85.4	89.1	91.2	92.5	93.8	95.7	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 200	67.8	85.4	89.1	91.2	92.5	93.8	95.7	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 100	67.8	85.4	89.1	91.2	92.5	93.8	95.7	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7
Z 0	67.8	85.4	89.1	91.2	92.5	93.8	95.7	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.7

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.8	≥0.6	≥0.4	≥0.3	≥0.2	≥0.1	≥0
NO CEILING	33.7	39.8	41.4	42.5	43.5	44.4	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 20000	34.7	43.7	45.9	47.7	48.4	49.4	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	36.4	43.9	45.7	47.4	48.8	49.8	50.4	50.9	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.7
≥ 16000	36.4	44.1	46.0	47.7	49.1	50.1	50.4	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	51.0
≥ 14000	37.7	44.9	46.6	48.4	50.0	51.1	51.6	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 12000	38.4	46.1	48.0	49.9	51.5	52.4	53.0	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	40.5	48.8	50.8	52.6	54.2	55.3	55.9	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4
≥ 9000	41.1	50.0	52.0	53.8	55.9	56.7	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.7	57.7	57.7
≥ 8000	42.2	51.2	53.3	55.4	56.9	58.2	58.7	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2
≥ 7000	42.8	52.0	54.2	56.4	57.9	59.2	59.8	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3
≥ 6000	43.6	53.2	55.3	57.4	59.2	60.8	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6
≥ 5000	45.8	55.8	58.3	60.7	62.4	63.7	64.4	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4500	48.1	59.4	62.1	64.6	66.6	68.0	68.7	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.3
≥ 4000	49.9	61.7	64.8	67.2	69.2	70.6	71.4	71.7	71.7	71.8	71.9	71.9	71.9	72.0	72.0	72.0
≥ 3500	52.0	64.7	67.7	70.8	72.9	74.4	75.2	75.8	75.9	75.7	75.7	75.8	75.8	75.8	75.8	75.8
≥ 3000	58.8	68.7	72.3	75.4	78.1	79.7	80.4	80.9	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2
≥ 2500	57.4	72.3	76.1	79.7	82.2	83.9	84.9	85.2	85.2	85.4	85.4	85.4	85.5	85.5	85.5	85.5
≥ 2000	58.9	74.6	78.9	82.7	85.8	87.9	88.4	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.4
≥ 1800	59.2	75.3	79.3	83.2	86.0	87.9	89.0	89.4	89.5	89.7	89.7	89.7	89.8	89.8	89.8	89.8
≥ 1600	60.3	77.1	81.9	85.8	88.8	90.8	91.7	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.6	92.6
≥ 1400	60.7	78.0	82.9	86.8	89.4	91.8	93.1	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	94.0
≥ 1200	60.9	78.3	83.0	87.2	90.2	92.8	93.8	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	61.0	78.6	83.3	87.5	90.4	92.9	94.3	94.8	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2
≥ 900	61.1	79.0	83.7	88.0	91.3	93.8	95.0	95.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	61.1	79.1	83.9	88.2	91.4	93.8	95.3	95.9	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4
≥ 700	61.1	79.2	84.1	88.4	92.0	94.8	96.1	96.9	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.4
≥ 600	61.1	79.2	84.3	88.6	92.2	95.0	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 500	61.1	79.2	84.3	88.6	92.2	95.0	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 400	61.1	79.2	84.3	88.6	92.2	95.0	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 300	61.1	79.2	84.3	88.6	92.2	95.0	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 200	61.1	79.2	84.3	88.6	92.2	95.0	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 100	61.1	79.2	84.3	88.6	92.2	95.0	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5
≥ 0	61.1	79.2	84.3	88.6	92.2	95.0	96.9	97.8	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.5

TOTAL NUMBER OF OBSERVATIONS 6680

USAF ETAC FORM 6-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	33.5	37.8	38.6	39.1	40.1	40.3	40.9	41.0	41.2	41.3	41.3	41.3	41.3	41.3	41.3	42.1
≥ 20000	35.2	39.8	40.6	41.1	42.2	42.3	42.9	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	44.1
≥ 18000	35.4	39.9	40.7	41.2	42.3	42.4	43.0	43.1	43.4	43.5	43.5	43.5	43.5	43.5	43.5	44.2
≥ 16000	35.5	40.0	40.9	41.3	42.4	42.5	43.1	43.2	43.5	43.6	43.6	43.6	43.6	43.6	43.6	44.3
≥ 14000	36.1	40.6	41.5	41.9	43.0	43.1	43.7	43.8	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.9
≥ 12000	36.3	40.9	41.7	42.2	43.2	43.4	44.0	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	45.2
≥ 10000	38.6	43.1	44.0	44.4	45.5	45.6	46.2	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	47.6
≥ 9000	39.5	44.2	45.0	45.5	46.6	46.7	47.3	47.4	47.8	47.9	47.9	47.9	47.9	47.9	47.9	48.6
≥ 8000	40.6	45.6	46.6	47.1	48.3	48.3	48.9	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	50.2
≥ 7000	41.6	46.6	47.7	48.1	49.2	49.3	49.9	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	51.3
≥ 6000	42.8	47.8	49.0	49.6	50.7	50.8	51.4	51.6	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.7
≥ 5000	48.7	54.1	55.3	55.9	57.2	57.3	57.9	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	59.3
≥ 4500	53.9	60.0	61.2	61.8	63.2	63.3	63.9	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	65.2
≥ 4000	58.8	65.2	66.7	67.4	68.8	68.9	69.5	69.8	70.0	70.3	70.4	70.4	70.4	70.4	70.4	71.1
≥ 3500	62.1	69.3	71.0	71.7	73.1	73.4	74.1	74.3	74.6	74.8	74.9	74.9	74.9	74.9	74.9	75.6
≥ 3000	65.5	73.4	75.3	76.2	77.7	77.9	78.7	79.0	79.2	79.5	79.6	79.6	79.6	79.6	79.6	80.3
≥ 2500	68.9	77.3	79.3	80.4	81.8	82.1	83.0	83.4	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.8
≥ 2000	71.9	81.1	83.3	84.8	86.3	86.7	87.7	88.1	88.3	88.6	88.8	88.8	88.8	88.8	88.8	89.5
≥ 1800	72.2	81.6	83.8	85.3	87.0	87.2	88.2	88.5	88.8	89.1	89.2	89.2	89.2	89.2	89.2	90.0
≥ 1500	72.6	82.9	85.2	87.1	88.8	89.0	90.0	90.3	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.8
≥ 1200	72.9	83.3	85.5	87.6	89.4	89.6	90.6	90.9	91.2	91.5	91.6	91.6	91.6	91.6	91.6	92.4
≥ 1000	73.4	83.8	86.3	88.3	90.2	90.4	91.4	91.8	92.0	92.4	92.5	92.5	92.5	92.5	92.5	93.2
≥ 900	73.5	84.3	87.0	89.0	90.9	91.2	92.2	92.6	92.8	93.2	93.3	93.3	93.3	93.3	93.3	94.1
≥ 800	73.6	84.7	87.5	89.6	91.6	91.9	93.1	93.4	93.7	94.0	94.1	94.1	94.1	94.1	94.1	95.0
≥ 700	73.8	85.1	87.9	90.1	92.1	92.4	93.5	93.9	94.3	94.6	94.7	94.7	94.7	94.7	94.7	95.6
≥ 600	74.2	85.5	88.5	90.8	92.8	93.1	94.3	94.6	95.0	95.3	95.5	95.5	95.5	95.5	95.5	96.3
≥ 500	74.3	85.7	88.6	90.9	93.1	93.7	95.0	95.3	95.8	96.2	96.3	96.3	96.3	96.3	96.3	97.1
≥ 400	74.3	86.0	89.4	91.6	93.8	94.4	95.8	96.3	96.7	97.1	97.3	97.3	97.3	97.3	97.3	98.1
≥ 300	74.4	86.3	89.7	92.0	94.1	94.9	96.4	96.9	97.3	97.7	97.8	97.8	97.8	97.8	97.8	98.7
≥ 200	74.6	86.3	89.7	92.1	94.3	95.0	96.5	97.1	97.5	98.0	98.1	98.1	98.1	98.1	98.1	99.3
≥ 100	74.6	86.3	89.7	92.1	94.3	95.0	96.5	97.1	97.5	98.1	98.3	98.3	98.3	98.3	98.3	99.5
≥ 0	74.6	86.3	89.7	92.1	94.3	95.0	96.5	97.1	97.5	98.1	98.3	98.3	98.3	98.3	98.3	99.5

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0600
1950-1959

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	30.6	34.9	36.2	36.6	36.6	37.4	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.9
≥ 20000	32.0	36.6	38.1	38.5	38.7	39.3	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0
≥ 18000	32.0	36.6	38.1	38.5	38.7	39.3	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0
≥ 16000	32.0	36.6	38.1	38.5	38.7	39.3	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0
≥ 14000	32.0	36.6	38.1	38.5	38.7	39.3	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0
≥ 12000	32.0	36.6	38.1	38.5	38.7	39.3	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0
≥ 10000	34.5	39.5	41.2	41.5	41.7	42.3	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.0
≥ 9000	35.2	40.3	41.8	42.2	42.4	43.0	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.7
≥ 8000	36.1	41.5	43.0	43.4	43.6	44.2	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.9
≥ 7000	37.2	42.5	44.2	44.6	44.8	45.4	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	47.1
≥ 6000	37.6	43.4	45.0	45.4	45.6	46.2	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.9
≥ 5000	38.1	43.9	45.5	45.9	46.1	46.7	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.4
≥ 4500	48.5	55.7	57.5	58.2	58.4	59.0	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.9
≥ 4000	52.6	60.3	62.2	63.0	63.2	63.8	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.9
≥ 3500	56.5	65.1	67.1	67.9	68.3	68.8	69.5	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	71.0
≥ 3000	61.6	70.6	72.6	73.4	73.8	74.4	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	77.2
≥ 2500	65.2	75.1	77.4	78.4	79.2	79.9	80.5	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	82.1
≥ 2000	68.8	79.5	82.2	83.2	84.0	84.7	85.2	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	87.6
≥ 1800	68.8	79.5	82.2	83.2	84.0	84.7	85.2	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	87.6
≥ 1500	69.5	81.0	83.9	85.1	86.1	87.2	88.1	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	89.9
≥ 1200	70.0	81.4	84.3	85.7	86.7	87.8	88.6	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	90.2
≥ 1000	70.3	82.0	85.3	86.7	88.1	89.1	90.1	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	91.8
≥ 900	70.4	82.4	85.9	87.3	88.6	89.7	90.8	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	92.6
≥ 800	70.7	82.9	86.7	88.2	89.5	90.6	91.8	92.0	92.2	92.7	92.7	92.7	92.7	92.7	92.7	93.9
≥ 700	70.8	83.2	87.2	88.8	90.1	91.2	92.4	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7	94.9
≥ 600	71.0	84.0	88.1	89.6	91.0	92.1	93.3	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	95.8
≥ 500	71.0	84.0	88.1	89.6	91.0	92.1	93.3	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	95.8
≥ 400	71.0	84.0	88.1	89.6	91.0	92.1	93.3	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	95.8
≥ 300	71.7	84.3	88.8	90.4	92.2	93.8	95.1	96.2	96.5	97.0	97.1	97.1	97.1	97.1	97.1	98.3
≥ 200	71.7	84.3	88.8	90.4	92.2	93.8	95.2	96.4	96.9	97.4	97.5	97.5	97.5	97.5	97.5	99.0
≥ 100	71.7	84.3	88.8	90.4	92.2	93.8	95.2	96.4	96.9	97.4	97.5	97.5	97.5	97.5	97.5	99.0
≥ 0	71.7	84.3	88.8	90.4	92.2	93.8	95.2	96.4	96.9	97.4	97.5	97.5	97.5	97.5	97.5	99.0

TOTAL NUMBER OF OBSERVATIONS 237

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-01
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600
TIME (UT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	24.1	31.1	31.7	33.9	34.6	35.4	36.2	36.2	36.2	36.3	36.3	36.6	36.6	36.6	36.7	37.2
≥ 20000	25.7	33.3	34.2	36.9	37.9	38.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.7
≥ 18000	25.7	33.3	34.2	36.9	37.9	38.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.7
≥ 16000	26.2	33.8	34.6	37.4	38.4	39.1	39.9	39.9	39.9	40.0	40.0	40.3	40.3	40.3	40.4	41.2
≥ 14000	26.3	33.9	34.9	37.6	38.6	39.3	40.1	40.1	40.1	40.3	40.3	40.5	40.5	40.6	40.7	41.5
≥ 12000	26.6	34.0	35.6	38.5	39.8	40.1	41.0	41.0	41.0	41.1	41.1	41.3	41.3	41.3	41.5	42.3
≥ 10000	28.0	36.0	37.3	40.4	41.8	42.2	43.0	43.0	43.0	43.1	43.1	43.4	43.4	43.5	43.6	44.3
≥ 9000	28.1	36.1	37.4	40.5	41.9	42.3	43.2	43.2	43.2	43.3	43.3	43.6	43.6	43.7	43.8	44.6
≥ 8000	28.7	36.7	38.0	41.1	42.2	42.9	43.8	43.8	43.8	44.0	44.0	44.2	44.2	44.3	44.4	45.2
≥ 7000	29.4	37.5	38.8	41.9	43.0	43.7	44.7	44.7	44.7	44.8	44.8	45.0	45.0	45.2	45.3	46.0
≥ 6000	30.1	38.6	39.9	43.0	44.1	44.8	45.8	45.8	45.8	45.9	45.9	46.1	46.1	46.2	46.4	47.1
≥ 5000	34.6	43.8	45.3	48.5	49.9	51.0	52.0	52.0	52.0	52.1	52.1	52.3	52.3	52.4	52.6	53.3
≥ 4500	37.9	48.5	50.5	53.8	55.4	56.8	57.8	57.8	57.8	57.9	57.9	58.1	58.1	58.2	58.4	59.1
≥ 4000	40.5	51.6	53.6	57.0	58.7	59.7	60.7	60.8	60.8	60.9	61.1	61.1	61.1	61.2	61.4	62.1
≥ 3500	44.2	55.4	57.7	61.2	63.1	64.3	65.4	65.5	65.7	65.8	65.8	66.1	66.2	66.3	66.4	67.1
≥ 3000	48.7	61.8	64.2	67.9	70.0	71.4	72.8	73.0	73.2	73.4	73.6	73.6	73.7	73.8	74.0	74.7
≥ 2500	51.4	65.4	67.9	71.6	73.8	75.6	76.9	77.2	77.5	77.8	77.9	78.1	78.3	78.4	78.5	79.2
≥ 2000	54.2	68.8	71.6	75.9	78.5	80.3	81.6	82.1	82.6	82.8	82.9	83.2	83.3	83.4	83.5	84.2
≥ 1800	55.1	69.9	72.6	77.1	79.7	81.5	82.8	83.4	83.9	84.1	84.2	84.3	84.6	84.7	84.8	85.5
≥ 1500	55.9	71.3	74.3	79.1	82.1	84.0	85.3	86.0	86.9	87.1	87.2	87.5	87.6	87.7	87.8	88.5
≥ 1200	56.9	72.8	75.7	80.5	83.5	85.5	87.0	87.7	88.5	88.8	89.0	89.2	89.4	89.5	89.6	90.3
≥ 1000	57.3	73.6	76.7	81.7	84.8	87.8	88.6	89.8	90.2	90.4	90.7	90.9	91.0	91.2	91.3	92.0
≥ 900	57.3	73.6	76.7	81.7	84.8	87.8	88.6	89.8	90.4	90.7	90.9	91.2	91.3	91.4	91.5	92.2
≥ 800	57.5	73.8	77.1	82.2	85.7	88.1	89.9	90.6	91.4	91.6	91.9	92.1	92.2	92.4	92.5	93.2
≥ 700	57.6	74.1	77.3	82.6	86.1	88.6	90.7	91.4	92.2	92.5	92.7	93.0	93.1	93.2	93.3	94.0
≥ 600	57.7	74.6	77.9	83.2	87.0	89.7	91.8	92.5	93.3	93.8	94.0	94.3	94.4	94.5	94.6	95.3
≥ 500	57.7	74.7	78.0	83.3	87.2	90.1	92.4	93.3	94.0	94.7	95.0	95.2	95.3	95.6	95.8	96.7
≥ 400	57.3	74.8	78.3	83.5	87.5	90.4	92.8	93.8	94.5	95.2	95.5	95.8	95.9	96.1	96.2	97.0
≥ 300	57.7	74.8	78.5	83.5	87.5	90.4	92.8	93.8	94.5	95.2	95.5	95.8	95.9	96.1	96.2	97.0
≥ 200	57.7	74.8	78.5	83.5	87.5	90.4	92.8	93.8	94.5	95.2	95.5	95.8	95.9	96.1	96.2	97.0
≥ 100	57.7	74.8	78.5	83.5	87.5	90.4	92.8	93.8	94.5	95.2	95.5	95.8	95.9	96.1	96.2	97.0
≥ 0	57.7	74.8	78.5	83.5	87.5	90.4	92.8	93.8	94.5	95.2	95.5	95.8	95.9	96.1	96.2	97.0

TOTAL NUMBER OF OBSERVATIONS 217

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	22.9	29.7	31.3	33.0	34.4	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	26.2	30.1	36.1	38.0	39.8	40.1	40.3	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.5	40.5
≥ 18000	26.3	34.2	36.2	38.1	39.7	40.3	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.6	40.6
≥ 16000	26.6	38.6	36.7	38.6	40.1	40.7	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.1	41.1
≥ 14000	27.2	35.6	37.9	39.8	41.3	41.9	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.3	42.3
≥ 12000	28.1	36.6	38.8	40.9	42.8	43.1	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.5	43.5
≥ 10000	31.1	39.8	42.1	44.3	46.0	46.6	46.7	46.7	46.7	46.7	46.8	46.8	46.8	46.8	47.0	47.0
≥ 9000	31.8	41.0	43.2	45.8	47.7	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	49.1	49.1
≥ 8000	33.2	42.7	45.0	47.6	49.5	50.2	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.5	50.5
≥ 7000	33.8	43.8	45.9	48.8	50.3	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.4	51.4
≥ 6000	34.8	44.4	47.0	49.8	51.6	52.3	52.4	52.4	52.4	52.4	52.6	52.6	52.6	52.6	52.7	52.7
≥ 5000	38.2	48.5	51.1	53.8	55.9	56.6	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.0	57.0
≥ 4500	40.1	51.3	54.1	57.1	59.9	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.5	60.5
≥ 4000	42.1	53.6	56.5	59.7	62.7	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3
≥ 3500	44.2	56.3	59.3	62.7	65.8	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.7	66.7
≥ 3000	48.3	60.8	64.5	68.2	71.6	72.8	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2
≥ 2500	50.4	64.3	68.7	72.9	76.2	77.5	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	78.0	78.0
≥ 2000	54.1	68.8	74.0	78.1	82.8	83.8	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.5	84.5
≥ 1800	54.7	69.7	74.8	79.7	83.8	84.8	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7
≥ 1500	56.2	71.7	77.2	82.7	86.6	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6
≥ 1200	57.0	73.1	78.6	84.3	88.8	90.3	90.8	91.3	91.3	91.3	91.8	91.8	91.8	91.8	91.9	91.9
≥ 1000	57.1	73.8	79.3	85.1	89.9	91.5	91.8	92.2	92.2	92.2	92.7	92.7	92.7	92.7	92.8	92.8
≥ 900	57.3	74.1	79.7	85.4	89.7	91.8	92.1	92.6	92.6	92.6	93.1	93.1	93.1	93.1	93.2	93.2
≥ 800	57.3	74.2	80.0	86.0	90.8	92.3	92.7	93.7	93.7	93.7	94.1	94.1	94.1	94.1	94.2	94.2
≥ 700	57.3	74.6	80.4	86.8	90.9	93.4	93.9	94.4	94.4	94.4	94.9	94.9	94.9	94.9	95.0	95.0
≥ 600	57.5	74.7	80.5	86.8	91.8	93.7	94.7	95.7	95.7	95.7	96.2	96.2	96.2	96.2	96.3	96.3
≥ 500	57.6	74.7	80.5	86.8	92.0	94.7	95.6	96.3	96.3	96.3	97.0	97.0	97.0	97.0	97.1	97.1
≥ 400	57.5	74.7	80.5	87.2	92.6	95.3	96.7	97.3	97.3	97.3	98.1	98.1	98.1	98.1	98.2	98.2
≥ 300	57.5	74.7	80.5	87.2	92.6	95.6	96.9	97.8	97.8	97.8	98.9	98.9	98.9	98.9	99.2	99.2
≥ 200	57.5	74.7	80.5	87.2	92.6	95.6	96.9	97.8	97.8	97.8	98.9	98.9	98.9	98.9	99.2	99.2
≥ 100	57.5	74.7	80.5	87.2	92.6	95.6	96.9	97.8	97.8	97.8	98.9	98.9	98.9	98.9	99.2	99.2
≥ 0	57.5	74.7	80.5	87.2	92.6	95.6	96.9	97.8	97.8	97.8	98.9	98.9	98.9	98.9	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1800
MOON 11.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	210	24	25	24	23	22 1/2	22	21 1/2	21 1/4	21	20 1/2	20 1/4	20	19 1/2	19 1/4	19
NO CEILING	28.4	33.9	34.8	36.2	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	31.8	38.9	39.8	41.2	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 18000	32.1	39.3	40.1	41.6	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 16000	32.3	39.5	40.4	41.8	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 14000	33.1	41.1	41.9	43.4	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 12000	34.4	42.4	43.2	44.7	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	36.2	44.2	45.0	46.5	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 9000	36.8	45.0	45.9	47.3	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 8000	38.4	46.7	47.7	49.2	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 7000	39.3	48.3	49.3	51.1	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	39.8	49.0	50.1	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 5000	41.6	51.5	52.8	54.4	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 4500	44.9	55.3	56.8	58.7	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4000	46.7	57.5	58.8	60.9	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3500	48.9	60.2	61.8	64.2	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3000	56.6	68.2	70.0	72.9	73.7	73.7	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	61.6	74.3	76.3	79.1	80.8	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	67.1	81.2	83.4	86.5	88.1	88.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	67.3	81.8	84.0	87.3	89.5	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	67.5	82.4	84.8	88.4	90.8	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	67.5	82.7	85.1	88.9	91.4	91.9	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000	68.0	83.3	85.8	89.8	92.7	93.2	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900	68.1	84.1	86.7	90.9	93.8	94.3	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	68.2	84.3	87.2	91.9	94.4	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 700	68.3	84.6	87.6	91.9	95.1	95.6	95.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	68.3	85.1	88.1	92.4	95.6	96.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	68.4	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	68.6	85.4	88.4	93.1	96.8	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	29.6	34.5	35.1	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 20000	35.7	41.2	41.8	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
IV 18000	36.1	41.6	42.2	43.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 16000	36.3	41.8	42.4	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 14000	37.2	43.4	44.0	44.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 12000	38.5	45.0	45.6	46.4	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 10000	39.9	46.2	47.1	47.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 9000	40.6	47.8	48.3	49.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 8000	43.2	50.4	51.9	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 7000	44.1	51.6	52.9	53.3	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 6000	45.9	52.0	53.9	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 5000	49.2	57.0	58.1	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4500	54.4	62.6	64.0	65.0	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 4000	57.3	65.9	67.4	68.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 3500	61.9	70.6	72.4	73.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3000	65.1	74.8	76.8	78.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 2500	70.1	81.1	83.4	84.9	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2000	71.9	83.4	86.1	87.8	90.1	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1800	72.2	84.0	86.9	88.3	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	72.4	84.2	86.7	88.6	91.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1200	72.6	84.7	87.2	89.4	91.8	93.6	93.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	73.2	85.4	87.9	90.1	92.8	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 900	73.4	85.6	88.3	90.4	93.3	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 800	73.6	85.8	88.5	91.6	93.4	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	73.8	86.2	89.1	91.8	94.4	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	73.7	86.1	89.4	92.1	95.1	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	73.7	86.4	89.4	92.2	95.3	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	73.7	86.4	89.5	92.2	95.3	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 300	73.7	86.4	89.5	92.2	95.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	73.7	86.4	89.5	92.2	95.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	73.7	86.4	89.5	92.2	95.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	73.7	86.4	89.5	92.2	95.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 222

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

867

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
MAY 1977

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	26	25	24	23	22½	22	21½	21¼	21	2¾	2¾	2¾	2½	2½	20
NO CEILING	32.0	35.8	36.3	36.6	36.8	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	37.0	41.0	41.4	41.8	42.0	42.2	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	37.4	41.3	41.9	42.3	42.6	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 16000	38.0	42.1	42.7	43.0	43.5	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	38.9	42.9	43.1	43.3	44.0	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 12000	39.3	43.4	44.2	44.6	45.0	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000	40.6	45.0	45.6	46.0	46.8	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 9000	41.3	45.8	46.6	47.0	47.9	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000	43.5	48.0	48.9	49.2	49.7	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 7000	44.2	48.9	49.7	50.1	50.9	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 6000	45.4	50.4	51.3	51.6	52.1	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 5000	48.7	54.4	55.3	55.7	56.2	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4300	53.3	59.6	61.1	61.4	61.9	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4000	57.3	64.6	66.1	66.4	67.0	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	60.7	68.9	70.6	71.0	71.6	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3000	65.0	74.6	76.2	76.6	77.3	77.7	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	69.5	80.0	82.0	82.8	83.6	84.0	84.3	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	72.9	84.5	87.1	88.1	89.1	89.5	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	73.1	84.7	87.3	88.4	89.5	89.8	90.3	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	73.5	85.2	88.2	89.5	90.6	90.9	91.4	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	73.8	86.0	89.0	90.1	91.2	91.6	92.1	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1000	73.9	86.6	89.6	91.0	92.1	92.6	93.1	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	73.9	86.6	89.6	91.0	92.2	92.7	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	74.0	87.0	90.0	91.5	92.5	93.0	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 700	74.3	87.6	90.6	92.4	94.0	94.6	95.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	74.6	88.1	91.3	93.2	95.0	95.7	96.3	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	74.6	88.1	91.3	93.2	95.0	95.7	96.3	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	74.7	88.4	91.6	93.4	95.1	95.8	96.4	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300	74.7	88.4	91.6	93.4	95.1	95.8	96.4	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	74.7	88.4	91.6	93.4	95.1	95.8	96.4	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 100	74.7	88.4	91.6	93.4	95.1	95.8	96.4	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 0	74.7	88.4	91.6	93.4	95.1	95.8	96.4	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 867

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS, NY

73-81

OCY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	35.6	39.3	39.9	40.3	40.5	41.0	41.1	41.1	41.2	41.2	41.3	41.5	41.5	41.5	41.5	41.5
≥ 20000	38.9	42.5	43.1	43.5	43.7	44.2	44.3	44.4	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7
≥ 18000	39.1	42.7	43.2	43.6	43.8	44.3	44.4	44.4	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7
≥ 16000	39.2	42.8	43.3	43.7	44.0	44.5	44.6	44.6	44.6	44.6	44.6	44.9	44.9	44.9	44.9	44.9
≥ 14000	39.7	43.8	43.8	44.2	44.4	44.9	45.0	45.0	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4
≥ 12000	40.1	44.4	45.0	45.4	45.4	46.1	46.2	46.2	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 10000	42.1	46.8	47.4	47.8	48.0	48.5	48.6	48.6	48.7	48.9	49.0	49.1	49.1	49.1	49.1	49.1
≥ 9000	43.0	47.8	48.4	48.7	49.0	49.6	49.7	49.7	49.8	49.9	50.1	50.2	50.2	50.2	50.2	50.2
IV 8000	44.7	49.5	50.1	50.4	50.7	51.3	51.4	51.4	51.5	51.6	51.7	51.9	51.9	51.9	51.9	51.9
IV 7000	45.4	50.5	51.1	51.5	51.7	52.1	52.4	52.4	52.4	52.4	52.7	52.9	52.9	52.9	52.9	52.9
IV 6000	47.4	52.3	52.9	53.3	53.5	54.1	54.2	54.2	54.4	54.5	54.6	54.7	54.7	54.7	54.7	54.7
IV 5000	51.9	57.7	57.9	58.3	58.9	59.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 4500	57.5	63.6	64.4	64.9	65.1	66.1	66.2	66.2	66.3	66.4	66.5	66.7	66.7	66.7	66.7	66.7
IV 4000	61.4	68.0	68.9	69.4	69.8	71.6	71.7	71.7	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9
IV 3500	64.3	71.2	72.3	72.9	73.4	74.4	74.6	74.6	74.6	74.7	74.8	74.9	75.0	75.0	75.0	75.0
IV 3000	66.8	74.7	76.0	76.6	77.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2500	71.1	80.4	81.6	82.6	83.0	84.3	84.8	84.8	84.8	84.8	84.8	84.9	85.1	85.1	85.1	85.1
IV 2000	74.0	84.4	86.1	87.1	87.4	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4
IV 1800	74.4	85.7	87.3	88.3	88.8	90.1	90.2	90.3	90.4	90.4	90.4	90.7	90.8	90.8	90.8	90.8
IV 1500	75.5	87.3	89.2	90.2	90.7	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	75.9	88.1	90.0	90.9	91.4	92.7	92.8	93.0	93.1	93.2	93.2	93.4	93.4	93.4	93.4	93.4
IV 1000	76.5	89.1	91.0	92.2	92.8	94.1	94.3	94.3	94.3	94.3	94.3	94.7	94.9	94.9	94.9	94.9
IV 900	76.6	89.2	91.2	92.4	93.0	94.3	94.4	94.5	94.6	94.7	94.9	95.0	95.0	95.0	95.0	95.0
IV 800	76.7	89.3	91.4	92.6	93.2	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1
IV 700	76.8	89.4	91.5	92.7	93.3	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.2
IV 600	76.9	89.5	91.6	92.8	93.4	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.3	95.3	95.3	95.3
IV 500	76.9	89.5	91.6	92.8	93.4	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.3	95.3	95.3	95.3
IV 400	77.1	89.7	91.8	93.0	93.6	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5
IV 300	77.1	89.7	91.8	93.0	93.6	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5
IV 200	77.1	89.7	91.8	93.0	93.6	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5
IV 100	77.1	89.7	91.8	93.0	93.6	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5
IV 0	77.1	89.7	91.8	93.0	93.6	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 887

USAF ETAC FORM 6-14-5 (OL A) REVEREND EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	210	24	25	24	23	22 1/2	22	21 1/2	21 1/4	21	20 1/2	20 1/4	20	19 1/2	19 1/4	19
NO CEILING	29.7	34.6	35.5	36.4	37.0	37.3	37.6	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.8	38.1
≥ 20000	32.8	38.4	39.4	40.5	41.1	41.5	41.8	41.9	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.2
≥ 18000	33.0	38.6	39.6	40.7	41.3	41.7	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.2	42.2	42.5
≥ 16000	33.3	38.9	39.9	41.0	41.6	42.0	42.3	42.3	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.8
≥ 14000	33.6	39.7	40.7	41.7	42.4	42.7	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.3	43.6
≥ 12000	34.5	40.6	41.7	42.8	43.5	43.8	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.6
≥ 10000	36.3	42.6	43.7	44.8	45.5	45.8	46.2	46.2	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.7
≥ 9000	37.1	43.9	44.9	45.9	46.5	46.8	47.2	47.2	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.7
≥ 8000	38.5	45.1	46.3	47.3	48.0	48.3	48.8	48.8	49.1	49.1	49.2	49.2	49.3	49.3	49.3	49.6
≥ 7000	39.4	46.1	47.4	48.4	49.1	49.4	50.1	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.7
≥ 6000	40.5	47.3	48.6	49.6	50.7	51.1	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.2
≥ 5000	44.5	52.0	53.4	54.7	55.8	56.1	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.2
≥ 4500	48.6	57.1	58.7	60.1	61.2	61.5	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.5
≥ 4000	52.1	60.9	62.5	63.9	65.1	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.0
≥ 3500	55.3	64.7	66.3	67.7	68.9	69.2	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	71.1
≥ 3000	59.7	69.0	72.0	73.4	75.1	75.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.2
≥ 2500	63.5	74.7	77.1	79.1	80.7	81.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.9
≥ 2000	66.5	79.0	81.7	83.7	85.3	85.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4
≥ 1800	67.2	79.6	82.4	84.4	86.0	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.4
≥ 1500	67.5	80.0	82.7	84.7	86.3	86.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.8
≥ 1200	68.1	81.5	84.4	86.4	88.0	88.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.4
≥ 1000	69.1	82.5	85.4	87.4	89.0	89.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.4
≥ 900	69.6	82.9	85.8	87.8	89.4	89.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.8
≥ 800	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 700	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 600	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 500	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 400	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 300	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 200	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 100	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1
≥ 0	69.9	83.2	86.1	88.1	89.7	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.1

TOTAL NUMBER OF OBSERVATIONS: 6666

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIABARA FALLS, NY

73-01

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	25.6	28.9	29.6	30.2	30.6	31.0	31.4	31.9	31.9	31.6	31.6	31.7	31.7	31.7	31.7	32.0
≥ 20000	26.8	30.4	31.1	31.7	32.1	32.5	32.8	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.8
≥ 18000	26.8	30.4	31.1	31.7	32.1	32.5	32.8	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.8
≥ 16000	26.8	30.4	31.1	31.7	32.1	32.5	32.8	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.8
≥ 14000	26.8	30.4	31.1	32.0	32.3	32.7	33.1	33.2	33.2	33.3	33.3	33.5	33.5	33.5	33.5	33.8
≥ 12000	27.2	30.9	31.7	32.3	32.7	33.1	33.5	33.6	33.6	33.7	33.7	33.8	33.8	33.8	33.8	34.2
≥ 10000	28.4	32.1	33.0	33.6	34.0	34.3	34.7	34.8	34.8	34.9	34.9	35.1	35.1	35.1	35.1	35.4
≥ 9000	28.9	32.6	33.5	34.1	34.5	34.8	35.2	35.3	35.3	35.4	35.4	35.6	35.6	35.6	35.6	36.0
≥ 8000	31.9	36.0	36.9	37.5	37.9	38.3	38.6	38.8	38.8	38.9	38.9	39.0	39.0	39.0	39.0	39.4
≥ 7000	33.0	37.2	38.0	38.6	39.0	39.4	39.8	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.5
≥ 6000	33.5	37.7	38.5	39.1	39.5	39.9	40.2	40.4	40.4	40.5	40.5	40.6	40.6	40.6	40.6	41.0
≥ 5000	37.3	42.4	43.2	43.8	44.2	44.6	45.0	45.3	45.3	45.4	45.4	45.5	45.5	45.5	45.5	46.0
≥ 4500	40.8	47.8	48.6	49.2	49.6	50.0	50.4	50.7	51.0	51.0	51.1	51.1	51.2	51.2	51.2	51.6
≥ 4000	48.7	51.7	52.5	53.1	53.5	53.9	54.3	54.6	54.9	55.2	55.2	55.3	55.3	55.3	55.3	55.8
≥ 3500	48.8	56.7	58.0	58.6	59.1	59.6	60.1	60.4	60.8	60.8	60.9	60.9	60.9	60.9	60.9	61.4
≥ 3000	52.7	61.6	63.0	63.7	64.2	64.6	65.0	65.3	65.6	65.7	65.7	65.8	65.8	65.8	65.8	66.3
≥ 2500	58.3	67.2	69.5	70.2	71.0	71.5	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.8
≥ 2000	63.8	75.1	77.0	78.5	78.9	79.3	80.1	80.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.4
≥ 1800	69.9	76.2	78.1	79.2	80.0	80.6	81.2	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	82.2
≥ 1500	68.3	88.8	82.5	83.6	84.0	84.3	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.5
≥ 1200	69.4	82.0	84.2	85.3	85.9	86.3	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.4
≥ 1000	69.8	82.6	84.8	85.9	86.5	86.9	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.9
≥ 900	70.0	83.2	85.4	86.5	87.1	87.5	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.5
≥ 800	70.4	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4
≥ 700	70.6	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4
≥ 600	70.6	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4
≥ 500	70.6	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4
≥ 400	70.6	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4
≥ 300	70.6	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4
≥ 200	70.6	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4
≥ 100	70.6	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4
≥ 0	70.6	84.7	87.3	88.4	89.0	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.4

TOTAL NUMBER OF OBSERVATIONS 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING ≥ 20000	23.2	27.0	28.1	28.8	29.0	29.1	29.1	29.3	29.3	29.3	29.4	29.4	29.5	29.5	29.5	30.1
≥ 18000	25.1	29.0	30.6	31.2	31.5	31.6	31.6	31.7	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.8
≥ 16000	25.1	29.0	30.6	31.2	31.5	31.6	31.6	31.7	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.8
≥ 14000	25.1	29.0	30.6	31.2	31.5	31.6	31.6	31.7	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.8
≥ 12000	25.1	29.0	30.6	31.2	31.5	31.6	31.6	31.7	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.8
≥ 10000	27.0	31.2	33.0	33.6	33.8	34.0	34.0	34.1	34.2	34.3	34.4	34.4	34.6	34.6	34.6	35.2
≥ 9000	27.0	31.2	33.0	33.6	33.8	34.0	34.0	34.1	34.2	34.3	34.4	34.4	34.6	34.6	34.6	35.2
≥ 8000	30.1	34.3	36.0	36.7	36.9	37.0	37.0	37.2	37.3	37.4	37.5	37.5	37.7	37.7	37.7	38.3
≥ 7000	30.1	34.3	36.0	36.7	36.9	37.0	37.0	37.2	37.3	37.4	37.5	37.5	37.7	37.7	37.7	38.3
≥ 6000	31.2	35.6	37.4	38.0	38.3	38.4	38.4	38.5	38.6	38.8	38.9	38.9	39.0	39.0	39.0	39.6
≥ 5000	35.4	40.4	42.5	43.5	43.8	44.0	44.0	44.1	44.2	44.3	44.4	44.4	44.6	44.6	44.6	45.2
≥ 4500	39.4	45.3	47.7	48.8	49.1	49.3	49.3	49.4	49.5	49.6	49.9	49.9	50.0	50.0	50.0	50.6
≥ 4000	42.6	49.3	51.6	52.7	53.1	53.5	53.5	53.6	53.7	53.8	54.1	54.1	54.2	54.2	54.2	54.8
≥ 3500	48.1	55.1	58.1	59.4	59.9	60.2	60.2	60.5	60.7	60.9	61.1	61.1	61.2	61.2	61.2	61.9
≥ 3000	52.0	59.8	62.8	64.2	64.7	65.1	65.1	65.3	65.6	65.7	65.9	65.9	66.0	66.0	66.0	66.7
≥ 2500	57.0	65.2	68.4	70.0	70.5	70.9	71.0	71.4	71.6	71.7	72.1	72.1	72.2	72.2	72.2	72.8
≥ 2000	61.9	71.7	75.3	77.3	78.0	78.4	78.9	79.4	79.6	79.8	80.1	80.1	80.2	80.2	80.2	80.9
≥ 1800	62.7	72.6	76.3	78.3	79.0	79.4	79.9	80.4	80.6	80.7	81.1	81.1	81.2	81.2	81.2	81.9
≥ 1500	64.6	76.0	80.2	82.4	83.3	83.7	84.3	84.8	85.1	85.2	85.6	85.6	85.7	85.7	85.7	86.3
≥ 1200	66.4	78.1	82.5	84.8	85.9	86.5	87.3	87.8	88.0	88.1	88.5	88.5	88.6	88.6	88.6	89.3
≥ 1000	66.9	78.9	83.3	86.0	87.2	87.8	88.5	89.3	89.5	89.6	90.0	90.0	90.1	90.1	90.1	90.7
≥ 900	66.9	78.9	83.3	86.0	87.2	87.8	88.5	89.3	89.5	89.6	90.0	90.0	90.1	90.1	90.1	90.7
≥ 800	67.2	79.4	83.8	86.5	87.9	88.5	89.3	89.8	90.2	90.4	90.7	90.7	91.2	91.2	91.2	91.9
≥ 700	67.4	79.8	84.4	87.7	88.8	89.0	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 600	67.4	79.8	84.4	87.7	88.8	89.0	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 500	67.4	79.8	84.4	87.7	88.8	89.0	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 400	67.4	79.8	84.4	87.7	88.8	89.0	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 300	67.4	79.8	84.4	87.7	88.8	89.0	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 200	67.4	79.8	84.4	87.7	88.8	89.0	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 100	67.4	79.8	84.4	87.7	88.8	89.0	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2
≥ 0	67.4	79.8	84.4	87.7	88.8	89.0	90.7	91.8	91.9	92.0	92.5	92.5	92.6	92.6	92.6	93.2

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC

FORM
AA 44

6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIABARA FALLS, NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	17.7	21.7	22.2	24.0	24.6	24.9	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.6	25.7	26.2
≥ 20000	20.0	24.7	25.2	26.9	27.5	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.8	29.0	29.5
≥ 18000	20.0	24.7	25.2	26.9	27.5	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.8	29.0	29.5
≥ 16000	20.1	24.8	25.3	27.0	27.7	28.1	28.5	28.5	28.5	28.5	28.5	28.5	28.5	29.0	29.1	29.6
≥ 14000	20.1	24.8	25.3	27.0	27.8	28.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	29.0	29.1	29.6
≥ 12000	21.2	26.3	26.9	28.4	29.0	30.0	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.7	30.9	31.8
≥ 10000	22.6	27.7	28.4	30.1	31.0	31.6	32.0	32.0	32.2	32.2	32.3	32.3	32.3	32.5	32.6	33.1
≥ 9000	23.1	28.3	29.0	30.7	31.6	32.2	32.6	32.6	32.8	32.8	33.0	33.0	33.1	33.2	33.3	33.7
≥ 8000	24.9	30.4	31.2	33.1	34.0	34.6	34.9	34.9	35.2	35.2	35.3	35.3	35.3	35.4	35.7	36.0
≥ 7000	25.1	30.5	31.4	33.2	34.1	34.7	35.1	35.1	35.3	35.3	35.4	35.4	35.4	35.7	35.8	36.2
≥ 6000	26.0	31.6	32.5	34.3	35.2	35.8	36.2	36.2	36.4	36.4	36.5	36.5	36.5	36.7	36.8	37.3
≥ 5000	29.5	35.4	36.4	38.4	39.4	40.1	40.5	40.5	40.7	40.7	40.9	40.9	41.0	41.1	41.2	41.6
≥ 4500	33.6	40.0	41.5	43.6	44.7	45.4	45.9	46.0	46.3	46.3	46.4	46.4	46.5	46.7	46.9	47.3
≥ 4000	36.2	43.3	44.9	47.2	48.3	49.1	49.8	49.8	50.1	50.1	50.2	50.2	50.4	50.5	50.7	51.1
≥ 3500	39.3	46.7	48.5	50.9	52.3	53.1	53.6	53.7	54.0	54.0	54.1	54.1	54.2	54.3	54.6	54.9
≥ 3000	44.6	52.0	54.2	56.9	58.5	61.2	62.1	62.7	62.8	63.1	63.1	63.2	63.3	63.5	63.7	64.1
≥ 2500	50.4	61.5	63.7	66.8	69.5	70.4	71.0	71.1	71.4	71.4	71.5	71.5	71.6	71.7	72.0	72.3
≥ 2000	55.2	68.1	70.6	73.8	76.9	78.3	79.4	79.5	79.9	79.9	80.0	80.0	80.1	80.2	80.5	80.9
≥ 1800	55.7	68.6	71.1	74.3	77.4	78.8	79.9	80.0	80.4	80.4	80.5	80.5	80.6	80.7	81.0	81.4
≥ 1500	58.4	71.7	74.3	77.9	81.2	82.6	83.7	83.8	84.2	84.2	84.3	84.3	84.4	84.5	84.8	85.2
≥ 1200	58.9	73.1	75.7	79.5	83.2	84.8	86.0	86.3	86.8	86.8	86.9	86.9	87.0	87.2	87.4	87.8
≥ 1000	59.3	73.7	76.5	80.7	84.5	86.5	88.0	88.5	89.0	89.1	89.3	89.3	89.5	89.6	89.9	90.2
≥ 900	59.3	73.7	76.5	80.7	84.5	86.5	88.0	88.5	89.0	89.3	89.4	89.4	89.6	89.8	90.0	90.4
≥ 800	59.4	74.0	76.9	81.1	85.3	86.9	88.5	89.0	89.4	89.6	89.6	90.0	90.2	90.4	90.6	91.0
≥ 700	59.6	74.7	77.8	82.1	86.7	88.5	90.0	90.6	91.2	91.6	91.7	91.7	92.0	92.1	92.3	92.7
≥ 600	59.6	75.1	78.1	82.6	87.3	89.0	91.0	91.7	92.3	92.7	92.8	92.8	93.1	93.2	93.5	93.8
≥ 500	59.8	75.1	78.4	83.8	88.3	90.4	92.0	92.8	93.4	94.1	94.2	94.2	94.4	94.6	94.8	95.2
≥ 400	59.8	75.1	78.5	83.7	88.5	90.6	92.3	93.1	94.1	94.7	94.8	94.8	95.3	95.5	95.8	96.2
≥ 300	59.8	75.1	78.5	83.7	88.5	90.7	92.7	94.0	94.7	95.4	95.7	95.8	96.2	96.3	96.9	97.4
≥ 200	59.8	75.1	78.5	83.7	88.5	90.7	93.1	94.6	95.3	96.2	96.4	96.4	96.8	97.0	97.7	98.1
≥ 100	59.8	75.1	78.5	83.7	88.5	90.7	93.1	94.6	95.3	96.4	97.2	97.3	98.0	98.1	98.8	99.4
≥ 0	59.8	75.1	78.5	83.7	88.5	90.7	93.1	94.6	95.3	96.4	97.2	97.3	98.0	98.1	98.8	99.4

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	15.3	19.8	20.6	21.5	22.1	22.6	22.7	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.5
≥ 20000	18.6	24.0	24.8	25.8	26.9	27.0	27.2	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.7	28.0
≥ 18000	18.6	24.0	24.8	25.8	26.9	27.0	27.2	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.7	28.0
≥ 16000	18.6	24.0	24.8	25.8	26.9	27.0	27.2	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.7	28.0
≥ 14000	19.6	25.1	26.0	27.2	27.9	28.5	28.6	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.5
≥ 12000	21.1	26.8	27.8	29.0	29.8	30.9	30.9	30.9	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.9
≥ 10000	23.0	28.8	29.9	31.2	32.0	32.6	32.7	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.6
≥ 9000	23.2	29.9	30.7	32.1	33.0	33.6	33.7	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.6
≥ 8000	25.4	32.2	33.6	34.9	35.9	36.9	36.7	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.5
≥ 7000	26.4	33.3	34.7	36.0	37.0	37.7	37.8	38.3	38.3	38.3	38.9	38.9	38.9	38.9	38.9	38.8
≥ 6000	26.8	33.7	35.2	36.9	37.9	38.1	38.3	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	39.3
≥ 5000	28.6	35.9	37.5	38.9	39.9	40.9	40.6	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.6
≥ 4500	32.7	41.0	43.2	44.6	45.7	46.3	46.5	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.5
≥ 4000	35.7	44.6	47.4	49.0	50.4	51.1	51.4	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.3
≥ 3500	36.8	46.8	49.9	51.9	53.2	54.0	54.2	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	55.2
≥ 3000	39.9	51.1	54.8	57.3	59.1	60.1	60.6	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.6
≥ 2500	43.3	56.3	60.5	64.4	66.4	67.7	68.1	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.3
≥ 2000	48.3	62.9	67.0	71.4	73.8	75.2	75.7	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.9
≥ 1800	49.1	63.6	68.1	72.9	74.8	76.8	77.0	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.3
≥ 1500	51.4	66.9	71.9	76.4	79.1	81.5	82.2	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.7
≥ 1200	52.8	69.4	74.7	79.8	82.9	85.1	85.9	86.8	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.7
≥ 1000	52.7	70.2	75.3	80.9	83.7	86.7	87.7	88.9	89.3	89.4	89.5	89.5	89.5	89.5	89.5	90.0
≥ 900	52.8	70.9	75.7	81.4	84.4	87.4	88.4	89.8	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.9
≥ 800	53.0	70.6	75.8	81.7	84.9	87.9	89.0	90.4	90.7	90.9	91.4	91.4	91.4	91.4	91.4	91.9
≥ 700	53.0	70.6	76.0	82.1	85.3	88.4	89.8	91.2	91.6	91.9	92.5	92.5	92.5	92.5	92.5	93.0
≥ 600	53.0	70.9	76.7	83.2	86.7	89.8	91.1	92.4	93.1	93.5	94.2	94.2	94.2	94.2	94.2	94.7
≥ 500	53.0	70.9	76.7	83.2	86.7	89.8	91.4	93.1	93.7	94.1	94.9	94.9	94.9	94.9	94.9	95.4
≥ 400	53.0	70.9	76.7	83.4	87.4	91.0	93.0	95.1	95.8	96.2	97.2	97.2	97.2	97.2	97.2	97.7
≥ 300	53.0	70.9	76.7	83.4	87.7	91.5	93.5	95.7	96.8	97.4	98.5	98.5	98.5	98.5	98.5	99.5
≥ 200	53.0	70.9	76.7	83.4	87.7	91.5	93.5	95.7	96.8	97.4	98.5	98.5	98.5	98.5	98.5	99.5
≥ 100	53.0	70.9	76.7	83.4	87.7	91.5	93.5	95.7	96.8	97.4	98.5	98.5	98.5	98.5	98.5	99.5
≥ 0	53.0	70.9	76.7	83.4	87.7	91.5	93.5	95.7	96.8	97.4	98.5	98.5	98.5	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725207

NIAGARA FALLS NY

73-01

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 2.4	≥ 2.3	≥ 2.2	≥ 2.1	≥ 2.0	≥ 1.9	≥ 1.8	≥ 1.7	≥ 1.6	≥ 1.5	≥ 1.4	≥ 1.3	≥ 1.2
NO CEILING	17.3	21.0	22.5	23.2	23.3	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 20000	20.9	25.3	26.8	27.5	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 18000	20.9	25.3	26.8	27.5	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 16000	21.2	25.7	27.3	28.0	28.1	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	22.2	26.7	28.3	29.0	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 12000	23.8	29.0	30.6	31.5	31.7	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 10000	25.2	30.6	32.2	33.1	33.3	33.5	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 9000	25.9	31.9	33.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 8000	28.0	33.6	35.4	36.4	36.9	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 7000	28.5	34.3	36.2	37.2	37.7	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 6000	28.9	34.8	36.7	37.7	38.1	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 5000	30.7	37.2	39.3	40.3	40.6	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 4500	34.9	42.3	44.4	45.6	46.2	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 4000	37.6	45.6	47.8	49.1	49.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 3500	40.6	50.1	52.7	54.2	54.9	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 3000	44.3	55.1	58.0	59.6	60.7	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 2500	48.0	60.0	63.8	65.6	67.2	67.8	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2000	53.5	66.8	70.9	73.2	75.8	76.9	77.3	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 1800	54.0	67.5	71.7	74.1	76.7	77.8	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1500	56.2	70.9	75.3	78.3	81.6	83.2	83.7	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	57.2	72.3	76.8	80.2	84.1	85.9	86.8	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	57.5	73.1	78.0	81.5	85.8	87.8	89.0	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 900	57.7	73.7	79.0	82.7	87.3	89.3	90.4	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800	57.9	74.1	79.8	83.7	88.0	90.6	91.9	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 700	57.9	74.3	80.2	84.3	88.6	91.6	93.0	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600	57.9	74.3	80.2	84.4	89.0	92.1	93.5	94.4	94.9	95.1	95.2	95.4	95.4	95.4	95.4	95.4
≥ 500	57.9	74.3	80.2	84.7	89.4	92.7	94.3	95.6	95.9	96.0	96.3	96.3	96.3	96.3	96.3	96.3
≥ 400	57.9	74.3	80.4	84.8	89.8	93.8	95.3	96.7	97.3	97.7	98.1	98.4	98.4	98.5	98.5	98.5
≥ 300	57.9	74.3	80.4	84.8	89.8	93.8	95.3	96.7	97.3	97.7	98.1	98.4	98.4	98.5	98.5	98.5
≥ 200	57.9	74.3	80.4	84.8	89.8	93.8	95.3	96.7	97.3	97.7	98.1	98.4	98.4	98.5	98.5	98.5
≥ 100	57.9	74.3	80.4	84.8	89.8	93.8	95.3	96.7	97.3	97.7	98.1	98.4	98.4	98.5	98.5	98.5
≥ 0	57.9	74.3	80.4	84.8	89.8	93.8	95.3	96.7	97.3	97.7	98.1	98.4	98.4	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 310

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	19.4	22.2	23.2	24.1	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 20000	24.0	28.0	29.0	30.1	30.7	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
IV 18000	24.1	28.3	29.3	30.4	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
IV 16000	24.3	28.6	29.6	30.7	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
IV 14000	25.2	29.5	30.5	31.6	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 12000	25.4	30.0	31.1	32.2	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 10000	26.5	31.5	32.6	33.7	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 9000	26.9	31.9	33.0	34.1	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
IV 8000	28.5	33.7	34.9	36.2	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV 7000	29.3	34.4	35.7	36.9	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 6000	29.6	35.3	36.7	37.9	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 5000	31.6	38.3	39.6	41.1	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 4500	36.7	44.2	45.6	47.3	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 4000	38.0	45.9	47.3	49.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 3500	41.7	50.5	52.1	54.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 3000	45.8	55.9	58.3	61.0	62.6	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 2500	51.6	63.0	65.6	68.8	70.6	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 2000	57.3	71.0	74.3	77.9	80.2	81.2	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1800	57.5	71.5	74.8	78.5	80.9	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1500	60.1	74.8	78.8	83.1	85.6	87.2	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1200	60.4	75.7	79.8	84.4	87.4	89.1	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	60.6	76.3	80.5	85.6	88.8	91.2	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 900	60.7	76.4	80.6	85.8	89.4	92.0	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 800	60.7	76.8	81.4	87.0	90.9	93.5	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	60.7	76.8	81.5	87.3	91.1	93.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	60.7	76.8	81.5	87.3	91.2	94.0	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	60.7	77.2	82.0	87.8	91.7	94.4	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 400	60.7	77.4	82.3	88.5	92.8	95.6	96.9	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 300	60.7	77.4	82.3	88.5	92.8	95.6	96.9	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 200	60.7	77.4	82.3	88.5	92.8	95.6	96.9	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 100	60.7	77.4	82.3	88.5	92.8	95.6	96.9	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 0	60.7	77.4	82.3	88.5	92.8	95.6	96.9	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	22.5	25.9	27.4	27.7	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.4	28.4
≥ 20000	25.6	29.1	30.6	30.9	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.6	31.6
IV 18000	25.9	29.5	31.0	31.2	31.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.0
IV 16000	25.9	29.5	31.0	31.2	31.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.0
IV 14000	26.0	29.6	31.1	31.4	31.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.1	32.1
IV 12000	26.9	30.5	32.0	32.2	32.6	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.1	33.1
IV 10000	28.5	32.1	33.6	33.8	34.2	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.7	34.7
IV 9000	29.0	32.7	34.2	34.4	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.3	35.3
IV 8000	30.4	34.1	35.6	35.8	36.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.7	36.7
IV 7000	31.4	35.1	36.6	37.0	37.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.9	37.9
IV 6000	32.1	36.2	37.8	38.0	38.4	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9	38.9
IV 5000	37.5	41.9	43.8	44.3	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2
IV 4500	44.1	49.3	51.2	51.9	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
IV 4000	46.7	52.3	54.4	55.1	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0
IV 3500	50.1	56.2	58.4	59.0	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2
IV 3000	53.0	59.5	61.7	62.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0
IV 2500	62.0	69.8	72.1	73.1	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4
IV 2000	68.5	77.0	79.9	81.1	82.1	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1
IV 1800	69.0	77.7	80.5	81.9	82.8	83.5	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
IV 1500	70.6	80.6	83.7	85.3	86.9	87.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1
IV 1200	71.6	82.3	85.8	87.4	89.3	90.1	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.7	91.7
IV 1000	72.3	83.6	87.3	88.9	90.7	91.6	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3
IV 900	72.3	83.7	87.4	89.0	91.0	91.8	92.8	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6
IV 800	72.7	84.2	88.0	90.0	92.2	93.2	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9
IV 700	72.8	84.6	88.8	90.9	93.5	94.8	95.8	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
IV 600	72.8	85.2	89.0	91.3	93.8	95.2	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
IV 500	73.0	85.3	89.1	91.2	94.0	95.3	96.4	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5
IV 400	73.0	85.6	89.6	92.0	94.7	96.3	97.5	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6
IV 300	73.0	85.6	89.8	92.1	94.8	96.4	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0
IV 200	73.0	85.6	89.8	92.1	94.8	96.4	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0
IV 100	73.0	85.6	89.8	92.1	94.8	96.4	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.4	99.4
IV 0	73.0	85.6	89.8	92.1	94.8	96.4	97.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS, L.T.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	25.8	28.6	29.8	30.9	31.5	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7
IV 18000	28.4	31.6	32.7	34.0	34.6	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8
IV 16000	28.4	31.6	32.7	34.0	34.6	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8
IV 14000	28.4	31.6	32.7	34.0	34.6	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.9	34.9
IV 12000	29.0	32.2	33.3	34.6	35.2	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6	35.6
IV 10000	29.9	33.3	34.4	35.7	36.3	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.7	36.7
IV 9000	30.2	33.8	34.9	36.2	36.8	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.2	37.2
IV 8000	31.6	35.2	36.3	37.5	38.1	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.5	38.5
IV 7000	33.2	36.8	37.9	39.1	39.8	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.1	40.1
IV 6000	34.2	37.8	38.9	40.1	40.7	40.9	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.1	41.1
IV 5000	38.0	41.9	43.2	44.4	45.1	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.6	45.6
IV 4500	42.5	47.3	49.0	50.2	50.9	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.4	51.4
IV 4000	45.8	51.0	52.7	54.0	54.6	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	55.1	55.1
IV 3500	50.2	56.2	58.3	59.6	60.4	60.5	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.9	60.9
IV 3000	54.2	61.1	63.3	64.8	65.6	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0
IV 2500	62.3	70.0	72.5	74.1	74.9	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.4
IV 2000	67.8	76.9	79.9	81.9	83.0	83.2	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.7	83.7
IV 1800	68.5	77.9	80.9	82.8	84.1	84.4	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9
IV 1500	70.0	80.1	83.3	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.4	88.4
IV 1200	70.9	81.5	84.9	87.5	88.9	89.8	90.1	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.7	90.7
IV 1000	71.9	82.7	86.3	89.1	90.7	91.4	92.1	92.3	92.5	92.5	92.7	92.7	92.7	92.7	92.8	92.8
IV 900	72.2	83.3	86.9	89.8	91.4	92.3	93.0	93.2	93.3	93.3	93.6	93.6	93.6	93.6	93.7	93.7
IV 800	72.5	83.7	87.7	90.6	92.5	93.7	94.9	94.7	94.8	94.9	95.2	95.2	95.2	95.2	95.3	95.3
IV 700	72.7	84.7	88.8	91.9	93.7	94.9	95.8	96.2	96.3	96.4	96.7	96.7	96.7	96.7	96.8	96.8
IV 600	72.7	84.8	89.0	92.2	94.1	95.3	96.2	96.7	96.8	96.9	97.2	97.2	97.2	97.2	97.3	97.3
IV 500	72.7	84.9	89.3	92.5	94.3	95.6	96.7	97.2	97.4	97.5	97.9	97.9	97.9	97.9	98.0	98.0
IV 400	72.7	84.9	89.3	92.5	94.3	95.8	97.0	97.5	97.8	97.9	98.2	98.4	98.4	98.4	98.5	98.5
IV 300	72.7	84.9	89.4	92.6	94.4	95.9	97.2	97.7	97.9	98.0	98.4	98.5	98.5	98.5	98.8	98.8
IV 200	72.7	84.9	89.4	92.6	94.4	96.2	97.8	97.9	98.1	98.1	98.6	98.8	98.8	98.8	99.0	99.0
IV 100	72.7	84.9	89.4	92.6	94.4	96.3	97.5	98.0	98.3	98.4	98.8	98.9	98.9	98.9	99.1	99.1
IV 0	72.7	84.9	89.4	92.6	94.4	96.3	97.5	98.0	98.3	98.4	98.8	98.9	98.9	98.9	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

MM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	20.8	24.4	25.4	26.3	26.7	27.0	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IV 20000	23.6	27.7	28.8	29.8	30.2	30.5	30.6	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	31.1
IV 18000	23.7	27.8	28.9	29.8	30.3	30.6	30.7	30.8	30.8	30.8	30.9	30.9	30.9	31.0	31.0	31.2
IV 16000	23.8	28.0	29.1	30.0	30.5	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.6
IV 14000	24.2	28.4	29.5	30.4	30.9	31.2	31.3	31.4	31.4	31.5	31.5	31.5	31.5	31.6	31.6	31.9
IV 12000	25.0	29.4	30.4	31.5	32.0	32.3	32.5	32.5	32.6	32.6	32.7	32.7	32.7	32.7	32.7	33.0
IV 10000	26.4	30.9	32.1	33.1	33.6	33.9	34.0	34.1	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.6
IV 9000	26.8	31.5	32.7	33.7	34.3	34.6	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.2
IV 8000	28.9	33.7	35.0	36.0	36.6	36.9	37.0	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.6
IV 7000	29.7	34.6	35.9	36.9	37.5	37.8	37.9	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.5
IV 6000	30.3	35.3	36.7	37.7	38.3	38.6	38.8	38.8	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.3
IV 5000	33.6	39.2	40.8	41.9	42.5	42.9	43.0	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.6
IV 4500	38.1	44.6	46.4	47.7	48.3	48.7	48.9	49.0	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.5
IV 4000	40.8	48.0	49.9	51.3	52.1	52.5	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	53.3
IV 3500	44.4	52.3	54.5	56.0	56.9	57.3	57.5	57.7	57.7	57.8	57.8	57.9	57.9	57.9	57.9	58.2
IV 3000	48.3	57.3	59.8	61.5	62.7	63.2	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	64.1
IV 2500	54.1	64.2	67.0	69.1	70.5	71.1	71.4	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	72.1
IV 2000	59.5	71.1	74.5	76.8	78.5	79.2	79.5	79.8	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.8
IV 1800	60.2	71.9	75.2	77.7	79.5	80.4	80.9	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.7
IV 1500	62.5	75.2	78.8	81.4	83.7	84.8	85.5	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.5
IV 1200	63.4	76.8	80.5	83.6	86.0	87.3	88.1	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	89.3
IV 1000	63.5	77.0	81.6	85.0	87.6	89.1	90.1	90.6	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.5
IV 900	64.0	77.9	81.9	85.4	88.1	89.7	90.7	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	92.0
IV 800	64.2	78.3	82.6	86.3	89.1	90.8	91.8	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	93.2
IV 700	64.4	78.8	83.2	87.0	90.0	91.8	93.0	93.7	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.7
IV 600	64.5	79.0	83.4	87.3	90.5	92.5	93.7	94.5	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.6
IV 500	64.4	79.1	83.6	87.7	90.8	92.8	94.2	95.1	95.4	95.7	96.0	96.0	96.0	96.1	96.1	96.4
IV 400	64.5	79.3	83.7	88.0	91.3	93.5	95.0	96.1	96.8	96.8	97.3	97.3	97.3	97.4	97.4	97.7
IV 300	64.4	79.3	83.8	88.1	91.3	93.6	95.3	96.8	97.0	97.4	97.8	97.8	97.8	97.8	97.8	98.1
IV 200	64.4	79.3	83.8	88.1	91.4	93.7	95.4	96.9	97.3	97.8	98.2	98.2	98.2	98.2	98.2	98.5
IV 100	64.4	79.2	83.8	88.1	91.4	93.7	95.4	96.9	97.4	97.9	98.4	98.4	98.4	98.4	98.4	98.7
IV 0	64.4	79.2	83.8	88.1	91.4	93.7	95.4	96.9	97.4	97.9	98.4	98.4	98.4	98.4	98.4	98.7

TOTAL NUMBER OF OBSERVATIONS 6480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	20.4	23.2	23.4	23.5	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 18000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 16000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 14000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 12000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 10000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 9000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 8000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 7000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 6000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 5000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 4500	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 4000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 3500	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 3000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 2500	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 2000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 1800	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 1500	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 1200	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 1000	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 900	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 800	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 700	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 600	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 500	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 400	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 300	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 200	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 100	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
N 0	21.5	24.3	24.5	24.6	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0

TOTAL NUMBER OF OBSERVATIONS 237

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIARARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	21.3	23.5	23.8	23.8	23.8	23.9	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
≥ 20000	21.3	23.5	23.8	23.8	23.8	23.9	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
≥ 18000	23.9	25.9	26.2	26.2	26.2	26.3	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 16000	23.9	25.9	26.2	26.2	26.2	26.3	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 14000	23.7	26.0	26.3	26.3	26.3	26.4	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 12000	26.1	26.8	27.0	27.0	27.0	27.1	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 10000	26.2	28.9	29.2	29.2	29.2	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 9000	26.3	29.0	29.3	29.3	29.3	29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 8000	27.5	30.2	30.5	30.5	30.5	30.6	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 7000	28.0	30.8	31.1	31.1	31.1	31.2	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 6000	29.4	32.3	32.5	32.5	32.5	32.6	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 5000	32.0	34.8	35.1	35.1	35.1	35.2	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 4500	35.8	39.3	39.7	39.7	39.7	39.8	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 4000	37.8	41.8	42.2	42.2	42.2	42.3	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 3500	41.2	45.6	46.4	46.4	46.4	46.5	46.7	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 3000	46.4	51.4	52.2	52.2	52.2	52.3	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 2500	49.8	56.9	58.3	58.3	58.3	58.4	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 2000	55.1	61.8	63.8	63.8	63.8	63.9	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1800	55.9	64.4	66.8	66.8	66.8	66.9	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 1500	60.9	71.9	74.9	74.9	74.9	75.0	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1200	61.6	74.0	77.2	77.2	77.2	77.3	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1000	62.0	75.3	78.5	78.5	78.5	78.6	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 900	62.6	76.3	79.6	79.6	79.6	79.7	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 800	63.1	77.3	80.6	80.6	80.6	80.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 700	63.1	77.4	80.8	80.8	80.8	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 600	63.1	77.8	81.1	81.1	81.1	81.2	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 500	63.1	78.3	81.6	81.6	81.6	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 400	63.1	78.7	81.9	81.9	81.9	82.0	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 300	63.1	78.3	81.6	81.6	81.6	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 200	63.1	78.3	81.6	81.6	81.6	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 100	63.1	78.3	81.6	81.6	81.6	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 0	63.1	78.3	81.6	81.6	81.6	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2

TOTAL NUMBER OF OBSERVATIONS 522

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0400-0400
MOSE 1171

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	25-16	¾	≥0
NO CEILING	19.0	20.6	21.0	21.3	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	22.1	22.2
≥ 20000	20.9	22.7	22.9	23.2	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	24.0	24.1
≥ 18000	20.9	22.8	23.1	23.3	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	24.1	24.3
≥ 16000	21.0	22.9	23.2	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	24.3	24.4
≥ 14000	21.6	23.9	24.1	24.4	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.2	25.3
≥ 12000	22.0	24.4	24.6	24.9	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.7	25.8
≥ 10000	23.3	25.9	26.2	26.6	27.0	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.5	27.7
≥ 9000	23.8	26.4	26.6	27.0	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	28.0	28.2
≥ 8000	25.1	28.0	28.3	28.7	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.6	29.9
≥ 7000	26.0	29.0	29.4	29.7	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.8	31.1
≥ 6000	26.8	30.0	30.3	30.7	31.2	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.8	32.0
≥ 5000	29.2	32.6	33.0	33.3	33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.5	34.8
≥ 4500	33.8	38.4	38.8	39.3	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.5	40.7
≥ 4000	34.8	39.8	40.4	41.0	41.6	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.2	42.4
≥ 3500	36.9	42.8	43.4	44.2	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.6	45.9
≥ 3000	40.3	47.1	47.9	48.7	49.7	49.7	49.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.5	50.8
≥ 2500	44.0	53.4	54.7	56.0	57.2	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.1	58.3
≥ 2000	49.3	61.3	63.3	64.9	66.3	66.5	66.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.6	67.9
≥ 1800	49.6	62.0	64.5	66.1	67.6	67.9	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	69.2
≥ 1500	53.3	68.6	72.4	74.6	76.6	77.2	77.8	78.8	78.7	79.0	79.0	79.0	79.0	79.0	79.3	79.6
≥ 1200	54.0	70.4	74.6	77.2	79.8	80.8	81.8	82.4	82.8	83.2	83.3	83.3	83.3	83.3	83.8	84.1
≥ 1000	54.5	71.7	76.1	79.1	81.7	82.6	83.6	84.6	84.9	85.8	86.1	86.1	86.1	86.1	86.4	87.0
≥ 900	55.1	72.6	77.2	80.2	83.8	84.8	85.2	86.4	86.6	87.8	87.6	87.6	87.6	87.6	88.2	88.4
≥ 800	55.3	73.2	78.0	81.2	84.3	85.3	85.7	86.9	87.0	89.8	89.1	89.3	89.3	89.3	89.9	91.2
≥ 700	55.6	73.8	78.3	81.7	84.8	85.8	86.4	87.9	89.8	90.4	91.3	91.8	91.8	91.8	92.0	92.7
≥ 600	55.8	73.8	78.6	82.2	85.9	87.2	87.7	89.1	91.8	92.0	92.8	93.3	93.3	93.3	93.8	94.3
≥ 500	55.8	74.2	79.2	83.6	86.4	88.3	90.4	92.5	93.3	94.6	95.0	95.2	95.2	95.2	95.8	96.2
≥ 400	55.9	74.3	79.7	83.6	87.2	89.2	91.8	92.7	93.1	94.2	94.7	95.2	95.2	95.2	95.8	96.2
≥ 300	55.9	74.4	79.8	84.8	87.6	89.6	92.2	94.3	95.1	96.8	97.4	98.1	98.1	98.1	98.8	99.2
≥ 200	55.9	74.4	79.8	84.8	87.6	89.6	92.2	94.3	95.1	96.8	97.4	98.1	98.1	98.1	98.8	99.2
≥ 100	55.9	74.4	79.8	84.8	87.6	89.6	92.2	94.3	95.1	96.8	97.4	98.1	98.1	98.1	98.8	99.2
≥ 0	55.9	74.4	79.8	84.8	87.6	89.6	92.2	94.3	95.1	96.8	97.4	98.1	98.1	98.1	98.8	99.2

TOTAL NUMBER OF OBSERVATIONS 817

USAF ETAC FORM 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287 NIAGARA FALLS NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	16.7	19.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 20000	19.4	22.3	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 18000	19.4	22.3	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 16000	19.4	22.3	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 14000	20.4	23.4	23.8	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 12000	21.5	24.5	24.9	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
≥ 10000	22.9	26.2	26.5	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 9000	24.5	28.0	28.4	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 8000	26.4	30.2	30.7	30.9	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 7000	27.4	31.2	31.7	31.9	32.1	32.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 6000	27.8	31.7	32.1	32.4	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 5000	29.9	34.1	34.5	35.0	35.4	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 4500	32.1	36.7	37.2	38.0	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 4000	33.1	38.8	39.1	39.9	40.3	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 3500	35.4	41.4	42.7	43.8	44.3	44.4	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 3000	39.2	45.3	47.0	48.3	48.9	49.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 2500	42.9	51.6	54.8	56.8	57.8	57.8	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 2000	45.8	56.3	60.2	63.3	65.0	65.9	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 1800	46.5	57.5	61.6	65.0	66.8	67.7	69.1	69.3	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1500	50.2	62.6	67.5	71.6	73.7	75.7	77.5	78.0	78.6	78.9	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1200	51.0	63.9	69.2	73.4	76.2	79.1	81.6	82.7	83.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	51.7	65.0	71.2	75.7	79.1	82.2	85.3	86.4	87.5	87.9	88.6	88.6	88.6	88.6	88.6	88.6
≥ 900	51.7	65.0	71.2	75.7	79.1	82.2	85.3	86.4	87.5	87.9	88.6	88.6	88.6	88.6	88.6	88.6
≥ 800	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 300	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 200	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 100	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0
≥ 0	51.9	66.1	71.7	76.3	80.2	83.8	87.3	88.9	89.7	90.4	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20.	17.8	20.2	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
IV 18000	21.7	24.2	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 16000	21.7	24.2	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 14000	22.2	24.7	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
IV 12000	23.5	26.1	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 10000	24.8	27.5	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
IV 9000	25.6	28.4	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 8000	27.5	30.3	30.5	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
IV 7000	28.4	31.3	31.5	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV 6000	28.7	31.6	31.9	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
IV 5000	31.4	34.5	34.7	34.9	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 4500	33.7	37.0	37.2	37.4	37.6	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
IV 4000	34.7	38.7	38.9	39.0	39.3	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 3500	38.0	43.1	43.4	43.5	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 3000	41.8	48.0	48.3	48.4	49.1	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 2500	47.4	55.7	56.3	57.0	58.0	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2000	53.1	63.1	64.6	66.1	67.8	68.5	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 1800	54.9	65.6	67.5	69.1	70.8	71.5	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1500	59.4	71.7	74.1	76.2	78.0	78.9	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 1200	60.2	73.3	75.9	78.4	80.2	81.6	82.6	83.1	83.2	83.5	83.5	83.5	83.6	83.6	83.6	83.6
IV 1000	61.3	74.7	78.0	80.7	82.8	84.6	85.9	86.6	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.4
IV 900	61.4	75.1	78.3	81.1	83.1	85.1	86.5	87.3	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1
IV 800	61.9	75.7	79.3	82.0	84.6	87.1	88.8	89.6	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.5
IV 700	62.0	76.8	80.5	83.7	86.3	89.3	90.8	92.0	92.8	93.2	93.4	93.4	93.7	93.7	93.7	93.7
IV 600	62.0	76.6	80.6	83.8	86.8	89.5	91.1	92.5	93.3	93.7	94.0	94.3	94.6	94.6	94.7	94.7
IV 500	62.0	76.9	81.0	84.3	87.2	90.4	92.2	93.5	94.4	94.7	95.3	95.7	96.0	96.0	96.2	96.6
IV 400	62.0	77.0	81.1	84.4	87.3	90.5	92.7	94.0	94.9	95.3	95.6	96.0	96.4	96.8	96.8	97.4
IV 300	62.0	77.1	81.2	84.6	87.5	90.9	93.2	94.6	95.6	96.2	97.1	97.6	98.1	98.1	98.2	98.7
IV 200	62.0	77.1	81.2	84.6	87.5	90.9	93.2	94.6	95.6	96.4	97.4	97.8	98.6	98.8	99.2	99.6
IV 100	62.0	77.1	81.2	84.6	87.5	90.9	93.2	94.6	95.6	96.4	97.4	97.8	98.6	98.8	99.4	99.9
IV 0	62.0	77.1	81.2	84.6	87.5	90.9	93.2	94.6	95.6	96.4	97.5	98.1	98.8	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725287

NIAGARA FALLS, NY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	20.5	22.3	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥20000	22.7	24.5	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
IV 18000	22.8	24.6	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 16000	22.8	24.6	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 14000	22.8	24.6	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 12000	23.3	25.1	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
IV 10000	24.6	26.4	27.0	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 9000	24.9	26.7	27.3	27.3	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 8000	25.8	27.6	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
IV 7000	25.9	27.8	28.9	28.9	28.9	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
IV 6000	26.5	28.5	29.1	29.1	29.1	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
IV 5000	30.3	32.5	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 4500	33.9	34.2	36.8	36.9	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IV 4000	34.3	37.5	38.1	38.2	38.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 3500	37.3	40.8	41.4	41.5	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 3000	41.7	45.7	46.3	46.8	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 2500	47.5	54.2	55.0	55.6	56.6	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000	53.5	62.8	64.3	65.3	66.8	67.5	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 1800	54.2	64.1	65.6	66.9	68.3	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 1500	59.1	70.6	72.5	74.5	76.5	77.7	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 1200	60.7	73.1	75.2	77.3	79.9	80.8	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.7	82.7	82.7
IV 1000	61.2	74.3	76.6	79.3	81.8	83.5	85.3	85.5	85.7	85.7	85.7	86.0	86.0	86.1	86.1	86.1
IV 900	61.3	75.2	77.6	80.2	82.7	84.5	86.3	86.6	86.8	86.8	86.8	87.1	87.1	87.2	87.2	87.2
IV 800	61.5	75.9	78.7	81.4	84.3	86.2	88.0	88.5	88.7	88.8	88.8	89.1	89.1	89.2	89.2	89.2
IV 700	61.6	76.1	78.9	81.6	85.3	87.2	89.0	89.8	90.2	90.5	90.9	90.9	91.0	91.0	91.0	91.0
IV 600	61.6	76.3	79.0	81.5	85.5	87.5	89.6	90.5	90.9	91.5	91.8	92.0	92.1	92.1	92.2	92.2
IV 500	61.6	76.5	79.3	82.3	86.1	88.2	90.6	92.0	92.4	93.2	93.9	94.0	94.2	94.2	94.4	94.4
IV 400	61.6	76.6	79.7	82.5	86.9	89.2	92.1	93.8	94.2	95.3	96.2	96.3	96.3	96.3	96.6	96.6
IV 300	61.6	76.6	79.7	82.9	87.1	89.4	92.3	93.9	94.7	95.9	96.9	97.0	97.4	97.5	97.6	97.6
IV 200	61.6	76.6	79.7	82.9	87.1	89.4	92.3	94.2	95.1	96.3	97.5	97.7	98.4	99.0	99.2	99.2
IV 100	61.6	76.6	79.7	82.9	87.1	89.4	92.3	94.2	95.2	96.4	97.7	98.2	99.3	99.8	99.9	99.9
IV 0	61.6	76.6	79.7	82.9	87.1	89.4	92.3	94.2	95.2	96.4	97.7	98.2	99.3	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 834

TOTAL SKY COVER

**FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE
TOTAL SKY COVER.**

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

**NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY
SIGNIFICANT.**

SKY COVER

JAN

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	8.1			10.8						12.5	68.6	8.3	837
	03-05	8.9			11.8						13.4	65.9	8.2	834
	06-08	3.5			13.4						16.7	66.4	8.5	834
	09-11	1.0			15.0						23.8	60.2	8.6	835
	12-14	1.2			14.2						28.2	56.4	8.6	837
	15-17	1.4			13.9						24.1	60.6	8.6	835
	18-20	3.6			15.4						17.8	63.2	8.4	834
	21-23	6.8			13.3						14.1	65.8	8.2	836
TOTALS		4.3			13.5						18.8	63.4	8.4	6684

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

FED

VIATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	7.3			14.5						18.1	60.2	8.1	758
	03-05	7.3			11.4						17.6	63.6	8.3	762
	06-08	3.2			12.8						20.0	64.1	8.6	760
	09-11	1.7			14.2						27.1	57.0	8.6	760
	12-14	.8			14.8						28.7	55.6	8.6	762
	15-17	2.8			13.4						28.9	55.0	8.5	762
	18-20	5.1			18.1						20.2	56.6	8.0	742
	21-23	7.7			16.7						19.6	56.0	7.9	762
TOTALS		4.5			14.5						22.5	58.5	8.3	6000

FORM
JNS 44

FORM 0-9-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAR

MONITOR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	15.6			18.2						15.3	50.9	7.0	838
	03-05	14.9			15.6						16.4	53.2	7.3	838
	06-08	5.2			20.0						20.0	54.9	7.9	832
	09-11	5.0			19.0						23.6	52.4	7.9	836
	12-14	5.4			17.1						25.7	51.9	8.0	837
	15-17	5.1			15.7						28.2	51.0	8.1	837
	18-20	7.2			15.1						23.9	53.9	8.0	837
	21-23	13.6			15.0						17.6	53.0	7.4	837
TOTALS		9.0			17.1						21.3	52.7	7.7	6686

FORM 990 (2012)

FORM 0.9-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

APR

MONTH

MONTH	HOURS (R.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	22.5			17.0						14.9	45.7	6.4	888
	03-05	21.2			18.9						17.2	42.7	6.4	806
	06-08	12.7			21.9						22.8	42.6	7.0	803
	09-11	10.2			21.1						24.9	43.7	7.2	810
	12-14	6.3			20.9						29.0	43.8	7.6	818
	15-17	6.4			23.2						25.8	44.6	7.5	815
	18-20	7.8			23.8						25.3	43.1	7.3	818
	21-23	17.3			20.1						17.8	44.8	6.7	818
TOTALS		13.1			20.9						22.2	43.9	7.0	6667

SKY COVER

MAY

CONCLUSION

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	23.6			20.5						16.0	36.0	6.0	636
	03-05	19.5			21.2						19.1	40.2	6.4	629
	06-08	9.4			25.3						23.7	41.6	7.1	627
	09-11	7.8			24.0						25.5	41.9	7.2	630
	12-14	6.6			27.1						20.9	37.4	7.2	637
	15-17	7.9			25.1						30.6	24.2	7.1	637
	18-20	6.9			25.0						27.2	39.0	7.1	636
	21-23	17.1			26.0						18.0	38.9	6.3	635
TOTALS		12.6			24.9						23.9	39.2	6.8	6671

SKY COVER

73-41

JUN

STATION

STATION NAME

1999

000000

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	22.1			28.1						19.6	30.3	5.6	882
	03-05	15.2			28.1						25.6	31.2	6.3	798
	06-08	9.0			28.0						26.8	33.8	6.8	796
	09-11	5.6			31.6						30.8	32.1	6.9	792
	12-14	4.0			31.2						36.1	28.6	7.0	794
	15-17	6.0			31.8						34.6	27.6	6.8	884
	18-20	5.4			30.8						33.3	28.5	6.9	884
	21-23	11.8			34.6						25.7	28.1	6.2	888
TOTALS		9.9			38.6						29.6	30.0	6.6	6402

SKY COVER

JUL

CONTENTS

MONTH	HOURS [L.S.T.]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	21.0			34.8						19.7	24.8	5.3	814
	03-05	15.9			35.9						21.9	26.4	5.7	819
	06-08	8.2			36.0						27.1	28.8	6.4	828
	09-11	7.2			34.0						30.6	28.1	6.6	829
	12-14	3.1			33.9						35.7	27.2	7.0	834
	15-17	4.1			37.8						34.8	23.6	6.6	833
	18-20	5.7			42.0						30.2	22.1	6.2	828
	21-23	12.8			41.3						24.3	21.9	5.6	826
TOTALS		9.7			36.9						28.0	25.4	6.2	6683

FORM
FD-302

FORM 0-9-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

AUG

MONTH

MONTH	HOURS [L.S.T.]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	21.9			25.3						20.7	32.1	5.8	810
	03-05	18.1			26.5						21.4	33.9	6.1	799
	06-08	5.4			29.5						32.2	33.0	7.1	818
	09-11	5.2			27.6						33.3	33.9	7.2	820
	12-14	2.0			28.3						37.6	32.0	7.4	838
	15-17	3.0			29.8						38.9	28.3	7.2	833
	18-20	5.2			33.7						32.8	29.1	6.8	825
	21-23	13.3			33.8						25.1	27.8	6.1	817
TOTALS		9.3			29.3						30.2	31.3	6.7	6552

SKY COVER

SEP

00:00:00

MONTH	HOURS (G.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	22.7			24.2						17.2	35.8	5.9	801
	03-05	22.3			23.6						17.0	37.2	5.9	802
	06-08	6.3			29.3						27.1	37.3	7.0	794
	09-11	6.3			26.0						32.3	35.5	7.2	800
	12-14	3.6			27.7						32.8	35.8	7.4	804
	15-17	6.5			28.5						33.4	31.6	7.0	803
	18-20	9.6			28.0						28.7	33.7	6.8	806
	21-23	17.2			27.6						20.9	34.3	6.1	802
TOTALS		11.8			26.9						26.2	35.2	6.7	6412

USAF/TAC FORM 0-9.5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

OCT

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	17.4			21.1						19.1	42.3	6.6	820
	03-05	18.6			17.5						18.9	45.1	6.7	819
	06-08	7.4			22.7						25.6	44.4	7.4	825
	09-11	6.8			20.2						32.7	40.2	7.6	835
	12-14	6.6			19.9						32.7	40.8	7.6	834
	15-17	9.0			19.6						31.8	39.7	7.4	837
	18-20	11.0			20.3						25.0	43.7	7.2	833
	21-23	15.1			23.2						21.4	40.3	6.7	828
TOTALS		11.5			20.6						25.9	42.1	7.2	6631

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

NOV

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	9.9			16.1						18.6	55.4	7.7	800
	03-05	11.7			14.6						16.6	57.1	7.6	801
	06-08	4.3			17.4						22.3	56.1	8.1	799
	09-11	.6			16.9						26.6	55.9	8.5	801
	12-14	1.5			16.0						30.1	52.5	8.4	808
	15-17	1.7			15.6						28.3	54.3	8.5	806
	18-20	4.8			17.6						20.1	57.4	8.1	806
	21-23	7.7			18.7						20.5	53.1	7.7	804
TOTALS		5.3			16.6						22.9	55.2	8.1	6427

FORM
JUL 64

0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

DEC

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	6.6			13.7						13.4	66.1	8.2	837
	03-05	6.2			15.3						15.3	63.2	8.2	837
	06-08	2.4			16.4						18.2	62.9	8.4	834
	09-11	1.1			12.0						23.9	63.0	8.8	832
	12-14	1.2			14.0						24.6	60.2	8.7	837
	15-17	1.0			12.8						22.7	63.6	8.8	837
	18-20	2.6			13.2						18.8	65.4	8.6	838
	21-23	5.3			14.5						16.2	64.0	8.3	834
TOTALS		3.3			14.0						19.1	63.6	8.5	6683

FORM
MM-1

0.9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725287

NIAGARA FALLS NY

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	4.3			13.5						18.8	63.4	8.4	6684
FEB		4.5			14.5						22.5	58.5	8.3	6088
MAR		9.0			17.1						21.3	52.7	7.7	6686
APR		13.1			20.9						22.2	43.9	7.0	6467
MAY		12.6			24.4						23.9	39.2	6.8	6671
JUN		9.9			30.6						29.6	30.0	6.6	6402
JUL		9.7			36.9						28.0	25.4	6.2	6603
AUG		9.3			29.3						30.2	31.3	6.7	6552
SEP		11.8			26.9						26.2	35.2	6.7	6412
OCT		11.5			20.6						25.9	42.1	7.2	6631
NOV		5.3			16.6						22.9	55.2	8.1	6427
DEC		3.3			14.0						19.1	63.6	8.5	6683
TOTALS		8.7			22.1						24.2	45.0	7.4	78306

USAFETAC

FORM
JUL 64

0-9.5 (OL)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

LLS NY
STATION NAME

DAILY TEMPERATURES

51-64, 68-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

[illegible]

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
725287 NIAGARA FALLS NY
STATION STATION NAME

51-64, 68-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75								.6					.0
70						.9	8.0	8.4	2.3				1.6
65					.9	12.1	30.8	28.5	10.3	.3			6.8
60				.3	4.7	32.8	64.3	84.9	23.0	2.0			15.2
55				2.1	14.9	58.3	87.8	82.5	40.7	9.4	1.4		24.5
50			.1	6.4	30.4	80.4	99.2	95.5	68.9	22.5	5.0	.1	33.4
45		.4	2.0	15.3	54.6	95.5	100.0	99.9	83.0	42.6	12.4	1.4	41.8
40	.4	1.0	4.6	31.0	79.7	99.7		100.0	95.7	65.9	25.4	3.1	50.0
35	4.1	4.4	13.2	56.2	94.4	99.9			99.1	85.4	47.9	10.3	59.1
33	7.2	8.2	19.6	66.1	97.4	100.0			99.7	90.8	58.7	18.0	63.4
30	13.6	17.8	33.9	80.3	99.6				100.0	96.5	72.2	29.2	69.9
25	27.5	31.4	58.5	94.2	100.0					99.9	89.9	50.0	79.1
20	42.2	48.5	78.6	98.5						100.0	96.7	66.7	85.0
15	60.0	63.3	90.1	99.4							98.2	81.4	91.0
10	78.0	76.0	96.1	100.0							99.3	90.9	95.1
5	89.9	90.0	98.5								99.7	96.4	97.9
0	96.2	96.2	99.7								99.9	99.0	99.3
-5	98.7	99.1	99.9								100.0	99.9	99.8
-10	99.9	99.7	100.0									100.0	100.0
-20	100.0	100.0											100.0
MEAN	17.5	18.3	25.8	36.1	45.9	55.9	61.4	60.4	52.0	43.2	34.5	23.4	39.6
S. D.	10.195	10.638	8.589	8.054	7.687	6.840	5.539	6.256	8.318	8.018	8.058	9.778	17.473
TOTAL OBS.	763	679	744	720	744	738	753	713	690	747	760	806	6887

STATION

NIAGARA FALLS NY

51-64, 68-81

YEARS

MEAN

MEAN

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725287 NIAGARA FALLS NY

51-64, 68-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						85	89	90	88	84	62	61	
52	53	52	67	73	78	91	93	90	92	79	67	58	93
53	56	59	67	64	84	92	91	93	96	81	68	57	96
54	48	61	63	75	80	87	90	87	85	80	64	47	90
55	48	49	61	76	87	88	94	93	89	79	65	51	94
56	38	50	50	67	80	90	89	87	85	77	73	57	90
57	52	60	70	83	79	93	87	89	85	73	63	61	93
58	42	48	61	78	82	82	87	88	83	79	70	44	88
59	52	45	55	75	85	88	90	93	93	78	70	49	93
60	39	47	65	78	82	87	88						
61										66	79	59	
62	* 41									80	64	60	
63	* 45	40	71	72	78	93	90	81	78	79	63	49	93
64	52	45	58	76	82	90	88						
68											57	51	
69	51	48	65	79	81	92	89	89	88	84	64	41	92
70	46	47	51	82	85	88	88	88	89	81	65	61	89
71	47	57	57	68	87	87	86	86	85	80	72	62	87
72	56	39	45	64	82	80	85	88	85	76	63	54	88
73	57	56	69	78	75	83	87	93	90	75	62	60	93
74	54	54	68	76	83	87	89	86	79	74	68	46	89
75	54	52	54	72	82	84	89	93	77	77	70	60	93
76	44	56	74	84	77	89	85	93	88	80	59	48	93
77	33	54	79	83	92	87	94	89	89	70	78	57	94
78	44	31	51	68	86	90	93	92	85	72	68	51	93
79	53	41	71	75	86	86	93	88	87	81	68	60	93
80	53	49	59	73	89	92	92	90	86	75	62	59	92
81	49	64	69	74	83	88	88	83	82	71	64	44	88
MEAN	48.7	50.2	62.8	74.7	82.7	88.1	89.4	89.1	86.3	77.6	66.8	54.3	91.5
S. D.	6.326	7.800	8.587	5.648	3.994	3.428	2.686	3.288	4.898	3.846	4.947	6.353	2.802
TOTAL OBS	763	679	744	720	744	738	783	713	690	747	760	806	8837

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
AR 44

0-88-5 (OL A)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725287 NIAGARA FALLS NY

51-64, 68-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51						53	52	45	34	31	-2	3	
52	3	7	16	29	35	46	54	48	41	23	4	12	3
53	8	8	8	28	38	45	46	49	38	32	27	9	8
54	-3	1	12	12	33	45	50	46	37	31	24	6	-3
55	2	-1	11	27	36	48	52	51	41	32	12	-4	-4
56	4	5	8	24	30	45	51	48	35	32	13	7	4
57	-16	8	17	23	30	41	49	46	30	29	17	9	-16
58	4	-3	22	24	32	37	52	45	40	28	7	3	-3
59	3	-1	8	28	31	45	50	48	36	30	14	8	-1
60	7	7	-8	27	33	44	49						
61										32	25	4	
62	*	1								29	23	-2	
63	-6	-5	5	26	29	46	51	49	32	32	24	1	-6
64	3	5	17	18	39	41	57						
68											27	2	
69	0	6	14	21	36	43	51	49	42	27	21	-2	-2
70	-6	-3	12	23	29	44	52	54	42	32	25	4	-6
71	1	0	12	21	33	47	51	42	41	38	11	11	0
72	-2	-1	10	12	34	33	46	45	43	25	20	16	-2
73	7	-2	20	24	37	50	50	51	34	33	17	2	-2
74	6	-8	6	21	31	46	53	58	34	26	18	14	-8
75	8	6	11	19	37	44	50	49	39	25	29	6	6
76	-10	-6	9	22	32	41	53	45	37	25	8	0	-10
77	-10	2	19	17	36	41	50	47	45	32	21	1	-10
78	5	-4	2	23	29	42	51	54	39	29	19	5	-4
79	-1	-17	11	19	30	42	52	49	38	32	22	10	-17
80	8	-2	1	25	39	40	55	57	37	30	20	-8	-8
81	-8	-1	9	23	34	41	53	50	34	27	21	11	-8
MEAN	.6	.0	10.5	22.3	33.5	43.2	51.0	48.8	37.8	29.6	17.6	4.9	-4.0
S.D.	6.666	5.948	6.620	4.827	3.243	3.623	2.136	3.667	3.801	3.461	7.610	5.754	6.453
TOTAL OBS	763	679	744	720	744	738	783	713	690	747	760	806	8857

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 34-44 0-88-3 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

JAN

MONITOR

0000-0200

HOURS (L. S. Y.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

JAN
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb		Wet Bulb		Dew Point			
54/ 53		.5	.1															5	5	1					
52/ 51			.1															1	1	3	1				
50/ 49	.1	.4		.2														6	6	2	4				
48/ 47	.2			.1	.1	.1	.1											6	6	6	4				
46/ 45		.1	.5	.2	.4													10	10			3			
44/ 43			.2	.7	.4													11	11	5					
42/ 41		.7		.2														8	8	4	1				
40/ 39	.4	.6	.6	.4														16	16	15	7				
38/ 37	.5	1.5	.5		.1													21	21	21	12				
36/ 35	.2	2.6	.7	.4														32	32	23	15				
34/ 33	.1	4.4	2.0															52	52	40	10				
32/ 31	1.5	3.0	1.1															45	45	55	41				
30/ 29	2.0	3.6	1.1															54	54	61	49				
28/ 27	.9	1.7	.9															28	28	34	54				
26/ 25	.6	3.1	1.2															40	42	34	40				
24/ 23	1.2	2.2	1.2															38	40	39	21				
22/ 21	2.2	2.4	2.1															54	57	56	35				
20/ 19	2.9	5.1	.2															66	69	55	38				
18/ 17	2.4	6.9																74	76	76	40				
16/ 15	.2	3.7	1.0															40	41	54	66				
14/ 13	.9	4.0	.1															40	51	34	53				
12/ 11	2.6	3.2	.1															48	52	55	56				
10/ 9	.9	1.5	.2															21	25	33	55				
8/ 7	1.1	2.4																28	29	25	40				
6/ 5	1.2	.6																15	15	25	26				
4/ 3	1.1	.2																11	11	13	32				
2/ 1	1.4	.6																16	16	17	25				
0/ -1	.2																	2	2	2	28				
-2/ -3	.2																	2	2	2	15				
-4/ -5	.4																	3	3	3	9				
-6/ -7	.6																	5	5	5	7				
-8/ -9	.1																	1	1	1	5				
-10/-11	.2																	2	2	2	4				
-12/-13																						1			
Element (K)	Σ x'		Σ x		Σ	Σ a		No. Obs.		Mean No. of Hours with Temperature											Total				
Rel. Hum.										≤ 6 F	≤ 32 F	≥ 67 F	71 F	≥ 80 F	≥ 92 F										
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) AIR WEATHER SERVICE OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MENTIM

0300-0500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-A1

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
54 / 53		.1				.1												2	2					
52 / 51			.1		.2													3	3	1				
50 / 49					.5													4	4	1				
48 / 47		.2	.6	.4	.1	.2												13	13	1				
46 / 45		.1	.4	.4														7	7	4				
44 / 43	.1	.9	.5	.5														16	16	14				
42 / 41		.7	.4															9	9	13				
40 / 39	.1	.9	.5	.1														13	13	21				
38 / 37	.5	2.5	1.1	.1														34	34	16				
36 / 35	.5	3.3	.9	.4														41	41	31				
34 / 33	.5	4.2	1.6	.2														53	53	47				
32 / 31	1.2	2.8	1.2	.4														46	46	51				
30 / 29	.9	3.3	1.5															46	46	44				
28 / 27	1.2	3.1	1.5	.2														49	49	47				
26 / 25	.1	3.3	1.7															42	43	49				
24 / 23	.2	3.0	1.5															38	39	39				
22 / 21	2.3	4.3	1.6															67	71	64				
20 / 19	1.7	6.9	.4															73	81	68				
18 / 17	1.5	4.9	.6															57	60	72				
16 / 15	1.6	4.8	.4															55	60	52				
14 / 13	.5	3.5	.1															33	35	44				
12 / 11	1.1	2.8	.1															33	34	36				
10 / 9	.4	.9																10	11	26				
8 / 7	.9	1.7																21	21	18				
6 / 5	1.0	.5																12	12	19				
4 / 3	.5	.2																6	6	6				
2 / 1	1.1	.7																15	15	13				
0 / -1	.6	.1																6	6	7				
-2 / -3																				1				
-4 / -5	.6																	5	5	5				
-6 / -7	.1																	1	1	1				
-8 / -9	.1																	1	1	1				
-10 / -11																								
-12 / -13																								
Element (X)	$\Sigma X'$		ΣX		\bar{X}																			

AD-A116 089 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
NIAGARA FALLS, NEW YORK. REVISED UNIFORM SUMMARY OF SURFACE WFA--ETC (1)

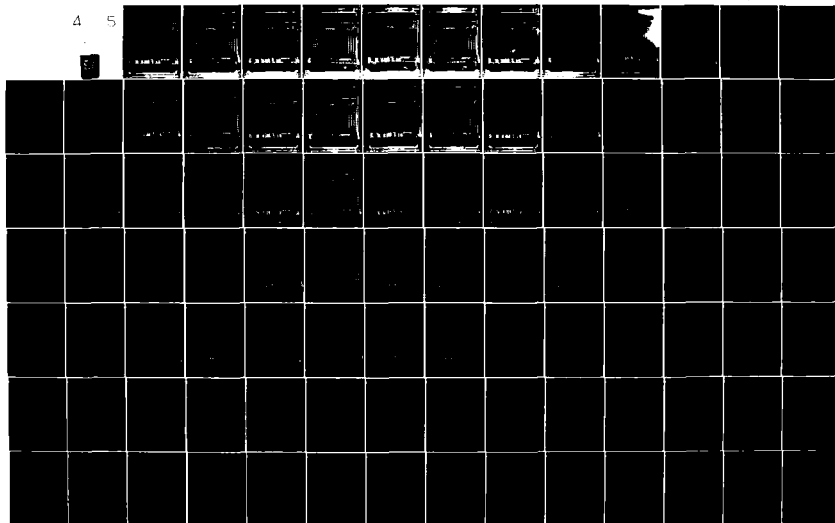
APR 62

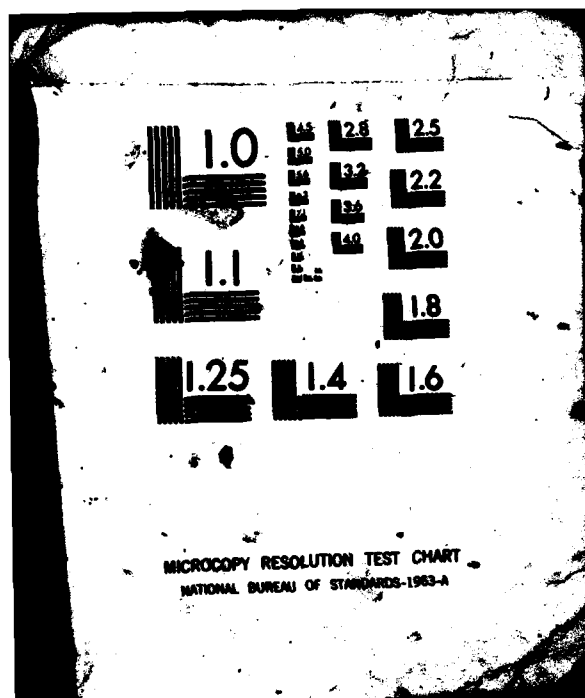
UNCLASSIFIED USAFETAC/DS-82/021

SBI-AD-E850 166

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PSYCHOMETRIC SUMMARY

12442

SECRET

[illegible]

REFERENCES

[illegible]

[illegible]

PERSONNEL AND SALARY

12887 NEADARA FALLS NY

1999

SECRET

[illegible]

PSYCHROMETER

725287

NIAGARA FALLS NY

73-81

STATION

STATION NAME

779

PAGE 2

[illegible]

2

1992

1998

[illegible]

PSYCHROMETRIC SUMMARY

73-81

JAM

STATION

STATION NAME

TEAM

1998

PAGE 2

ALI

NEWARK (L. S. T.)

[illegible]

2

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FEB

YEARS

0000-0200

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (O.L.A.) IN-265 SERVOVAL REMOVAL OF THE FOUR AIR CIRCLES

PSYCHROMETRIC SUMMARY

7

100

0300-0500
WEEK (L. S. T.)

Temp. (F)	WET GULF TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	W.A./G.S.	Dry Bulb	Wet Bulb	Dew Point			
54/ 53			.4															3	3					
50/ 49		.5	.4															7	7					
48/ 47		.5	.1															6	6					
46/ 45	.3			.1														3	3					
44/ 43	.1	.1	.1	.3														5	5					
42/ 41	.1	.3	.5	.1														6	6					
40/ 39	.3	.3	1.1	.4														15	15					
38/ 37	1.4	2.0	.8															30	30	19	11			
36/ 35	1.1	2.0	.8	.1														30	30	40	10			
34/ 33	1.2	3.4	1.3															45	45	34	20			
32/ 31	.5	4.0	2.1	.4														53	53	40	27			
30/ 29	.5	3.4	.8															34	34	40	20			
28/ 27	.3	3.4	.8															34	34	45	15			
26/ 25	1.4	4.1	.7															44	44	41	20			
24/ 23	.8	4.1	.7															42	42	50	00			
22/ 21	.9	2.4	.7															34	34	44	10			
20/ 19	2.5	4.9	.3															50	54	38	00			
18/ 17	1.4	4.2	.1															44	44	52	00			
16/ 15	1.1	4.7	.1															45	45	44	00			
14/ 13	.9	3.2	.1															32	32	30	11			
12/ 11	1.6	2.6																32	32	37	00			
10/ 9	.8	4.6																41	41	34	00			
8/ 7	.7	3.8	.3															34	34	30	00			
6/ 5	.7	1.7	.1															19	19	31	00			
4/ 3	.9	.8																13	13	19	00			
2/ 1	1.3	1.4																21	21	24	00			
0/ -1	.4																	3	3	3	00			
-2/ -3	.7																	9	9	5	00			
-4/ -5	.1																	1	1	1	00			
-6/ -7	.5																	4	4	4	00			
-8/ -9																								
-10/-11																								
-12/-13																								
-14/-15	.1																							

[illegible]

PSYCHOMETRIC SUMMARY

PRE
SECTION

~~CONFIDENTIAL~~

[illegible]

[illegible]

Temp.		WET BULB TEMPERATURE															
(°F)		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30
54/ 53			.1	.7		.1											
52/ 51			.2	.4		.2											
50/ 49			.4			.4											
48/ 47	.4	.2	.3	.2	.1	.1											
46/ 45	.6	.1	.2	.1	.1	.1											
44/ 43			.1	.1	.1	.1											
42/ 41	.1	.1															
40/ 39	.2	.2	.1	.1	.1												
38/ 37	.4	.2	.1	.1	.1												
36/ 35	.6	.1	.1	.1	.1												
34/ 33	.8	.1	.1	.1	.1												
32/ 31	1.0	.1	.1	.1	.1												
30/ 29	1.2	.1	.1	.1	.1												
28/ 27	1.4	.1	.1	.1	.1												
26/ 25	.4	.1	.1	.1	.1												
24/ 23	.6	.1	.1	.1	.1												
22/ 21	.8	.1	.1	.1	.1												
20/ 19	.6	.1	.1	.1	.1												
18/ 17	1.0	.1	.1	.1	.1												
16/ 15	1.2	.1	.1	.1	.1												
14/ 13	1.4	.1	.1	.1	.1												
12/ 11	1.6	.1	.1	.1	.1												
10/ 9	.8	.1	.1	.1	.1												
8/ 7	.4	.1	.1	.1	.1												
6/ 5	.2	.1	.1	.1	.1												
4/ 3	.2	.1	.1	.1	.1												
2/ 1	.2	.1	.1	.1	.1												
0/ 0	.2	.1	.1	.1	.1												
-2/ -1	.2	.1	.1	.1	.1												
-4/ -3	.2	.1	.1	.1	.1												
-6/ -5	.2	.1	.1	.1	.1												
-8/ -7	.2	.1	.1	.1	.1												
-10/ -9	.2	.1	.1	.1	.1												
-12/ -11	.2	.1	.1	.1	.1												
-14/ -13	.2	.1	.1	.1	.1												
-16/ -15	.2	.1	.1	.1	.1												
-18/ -17	.2	.1	.1	.1	.1												
-20/ -19	.2	.1	.1	.1	.1												
-22/ -21	.2	.1	.1	.1	.1												
-24/ -23	.2	.1	.1	.1	.1												
-26/ -25	.2	.1	.1	.1	.1												
-28/ -27	.2	.1	.1	.													

PSYCHROMETRIC SUMMARY

PCB

PAGE 2

09-00000000

Temp. (°F)	WET BULB GLOBE TEMPERATURE (WBGT)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	W.B.T.	Wet Bulb	Wet Bulb	Wet Bulb			
147-15																					1			
167-17																					3			
187-19																					1			
TOTAL	17.2	297.0	28.7	4.9	2.0	.3													762		760			

2

PSYCHROMETRIC SUMMARY

73-01

23

Page 11

Abstract

[illegible]

PSYCHROMETRIC SUMMARY

73-81

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PAGE 2

1200-1400

[illegible]

PSYCHROMETRIC SUMMARY

728287

NIAGARA FALLS NY

73-81

FEB

STATION**STATION NAME**

VEHICLE

Keywords: child sexual abuse; disclosure; self-blame; social support

PAGE 2

1500-1700

WEEKS (L. S. F.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	W.B./D.B.	Wet Bulb	Wet Bulb	Wet Bulb	Wet Bulb				
-4/-5																						10				
-6/-7																						1				
-8/-9																						2				
-10/-11																						3				
-12/-13																						1				
TOTAL	8.5	50.0	20.9	9.6	1.4	.5	.3												762		762	762				
																						</				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

FEB
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
58/ 57			.1															1	1								
56/ 55			.3															2	2								
54/ 53			.1															1	1	2							
52/ 51			.3															2	2	2	1						
50/ 49			.1	.1														2	2	2	2						
48/ 47		.7		.1														6	6	3	4						
46/ 45	.1	.9	.5	.1														13	13	7	5						
44/ 43	.3	.7	.3			.1												10	10	11	9						
42/ 41	.4	.9	.5	.1	.1													16	16	9	8						
40/ 39	.7	2.0	1.2	.7	.1													35	35	21	10						
38/ 37	1.3	2.2	1.3	.1	.1													39	39	30	17						
36/ 35	.5	2.0	.8	.4														34	34	29	20						
34/ 33	.8	3.8	1.8	.1														50	50	47	21						
32/ 31	.7	3.3	2.1	.1														47	47	44	44						
30/ 29	.1	3.0	1.4	.1														34	34	44	36						
28/ 27	.7	2.5	3.0	.3														49	49	39	25						
26/ 25	.1	3.3	.9	.1														36	36	41	34						
24/ 23	.1	4.2	.8															39	39	54	34						
22/ 21	.8	6.1	1.4															62	62	49	29						
20/ 19	1.2	6.7	1.7															72	72	54	38						
18/ 17	.8	4.1	1.3															47	47	59	55						
16/ 15	.9	4.5	.5															45	45	61	66						
14/ 13	.3	2.8	.1															24	24	35	47						
12/ 11	.3	2.4	.4															23	23	23	45						
10/ 9	.3	3.0	.3															27	27	29	41						
8/ 7	.5	1.4	.1															16	16	26	35						
6/ 5	.1	.9																8	8	15	20						
4/ 3	.1	.5																5	5	7	27						
2/ 1	.3	.4																5	5	8	20						
0/ -1	.5																	4	4	4	15						
-2/ -3	.1																	1	1	1	18						
-4/ -5																					14						
-6/ -7	.3																	2	2	2	5						
-8/ -9																					2						
Station (Z)	S ₁		S ₂		S ₃		S ₄		S ₅		Station No. of Hours with Temperature																
Ref. Num.																					+ 0 F	+ 20 F	+ 40 F	+ 60 F	+ 80 F	+ 90 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

REF. 0-24.5 (OL. A) - WET BULB DEPRESSION OF AIR FROM AIR COND.

USAFETAC

PSYCHROMETRIC SUMMARY

FED

SAOYU

1000-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-10/-11																					7			
-12/-13																					1			
-16/-17																					1			
-18/-19																					1			
TOTAL	11.9	63.4	21.7	2.5	.4	.1													759	761	759			
Element (X)	Z _{A'}	Z _B	X	G	No. Obs.						Mean No. of Hours with Temperature					Total								
Rel. Hum.	436619	56725	74.712.000	789	± 0 F	± 30 F	≥ 65 F	≥ 70 F	≥ 80 F	≥ 90 F					84									
Dry Bulb	589374	19124	23.410.001	781	.8	60.7									84									
Wet Bulb	497190	17724	23.410.401	759	.8	66.0									84									
Dew Point	388011	18081	18.012.001	789	7.2	73.3									84									

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point												
56/ 55			.3															2	2													
54/ 53			.1															1	1													
52/ 51																				3												
50/ 49		.1	.3															3	3		3											
48/ 47		.4	.1															4	4		2											
46/ 45		.9																7	7	6	2											
44/ 43	.5	.1	1.2	.1														15	15	9	8											
42/ 41	.3	.5	.8	.1														13	13	8	9											
40/ 39	.3	1.1	.1	.3														13	13	17	4											
38/ 37	1.1	3.0	1.6	.3														45	45	18	16											
36/ 35	1.4	3.7	1.2	.1														49	49	42	24											
34/ 33	.5	3.4	.5															34	34	42	27											
32/ 31	.7	3.6	1.6															44	44	47	42											
30/ 29	.7	3.6	1.2	.1														42	42	42	28											
28/ 27	.8	2.9	.7															33	33	37	39											
26/ 25	.1	4.6	1.1															44	44	34	39											
24/ 23	.4	5.0	.5															45	45	56	29											
22/ 21	1.3	4.2	.4															45	45	50	24											
20/ 19	1.4	5.7	1.1															62	62	41	44											
18/ 17	.5	4.2	1.2															45	45	61	56											
16/ 15	.8	4.3	.5															43	43	37	39											
14/ 13	.3	3.8	.1															32	32	48	44											
12/ 11	1.3	3.2																34	34	30	44											
10/ 9	.9	4.5	.3															43	43	39	32											
8/ 7	.4	2.0																18	18	38	47											
6/ 5	.7	.9																12	12	16	22											
4/ 3	.8	.9																13	13	14	38											
2/ 1	.7	.4																8	8	11	27											
0/ -1	.3																	2	2	2	12											
-2/ -3	.3																	2	2	2	22											
-4/ -5																					12											
-6/ -7	.3																	2	2	2	8											
-8/ -9	.4																	3	3	3	6											
-10/-11	.1																	1	1	1	4											
Element (X)	$\Sigma g'$		Σg		Σ		σ_n		Rn. Obs.		Mean No. of Hours with Temperature																					
Rot. Num.											= 6 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total									
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

73-01

FEB

STATION

STATION NAME

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PAGE 2

2100-2300

HOUSE (H. R. 1-1)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.S.	Dry Bulb	Wet Bulb	Dew Point			
-14/-15																					1			
-16/-17																					2			
-18/-19																					1			
-20/-21																					1			
-22/-23																					1			
TOTAL	17.1	67.1	14.8	1.1															759	759	759			
																			759					

PSYCHROMETRIC SUMMARY

73-81

FED

STATION

STATION NAME

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PAGE 2

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	How Fast			
-4/-5	.1	.0																10	10	10	121			
-6/-7	.2																	15	15	15	45			
-8/-9	.1																	7	7	7	27			
-10/-11	.1																	9	9	9	31			
-12/-13	.0																	1	1	1	9			
-14/-15	.1																	5	5	5	9			
-16/-17	.0																	2	2	2	13			
-18/-19																					11			
-20/-21																					5			
-22/-23																					5			
-24/-25																					1			
-26/-27																					2			
TOTAL	15.950	4.150	4.1	1.0	.2	.1												6077	5083	6077	5077			

PSYCHROMETRIC SUMMARY

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PSYCHOMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY
STATION STATION NAME

73-81
YEAR

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MONTH

PAGE 1 0000-0000
0000 L. T. V.

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																	TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Wet Bulb Below 50°F			
60/ 59							.1											1	2					
58/ 57		.2	.1		.2	.1	.1											7	9					
56/ 55																					2			
54/ 53	.2	.4	.2	.7														13	13	2	0			
52/ 51	.1	.6	.4	.1	.1													18	18	4	0			
50/ 49	.4	.2	.7	.4	.2													16	14	13	3			
48/ 47		.5	.4		.4													16	17	14	0			
46/ 45	.2	1.0	.1	.7	.2	.1												22	20	19	9			
44/ 43	.2	.7	.7	.5														18	18	18	36			
42/ 41		2.0	.7	.5	.1		.1											32	32	17	12			
40/ 39	1.1	1.0	1.3	.1														32	30	40	18			
38/ 37	1.3	2.0	1.7	.4														44	44	34	22			
36/ 35	1.5	4.0	1.3	.4														62	64	52	31			
34/ 33	2.1	6.5	.9	.2														79	82	70	40			
32/ 31	1.5	8.1	2.4	.4														100	101	90	100			
30/ 29	1.0	4.0	2.1															82	90	82	52			
28/ 27	1.2	4.0	1.0	.2														87	94	84	59			
26/ 25	1.1	4.7	1.1	.2														88	95	86	61			
24/ 23	.1	3.1	1.2															77	80	71	38			
22/ 21	.2	2.7	1.1															72	74	64	40			
20/ 19	.5	3.0	.7															61	61	54	35			
18/ 17	.6	1.5	.5															51	51	46	28			
16/ 15	.5	1.1																42	42	38	21			
14/ 13	.3	.4																32	32	28	14			
12/ 11		.7																22	22	19	8			
10/ 9	.3	.2																12	12	10	4			
8/ 7	.2	.2																7	7	6	2			
6/ 5	.6	.1																6	6	5	1			
4/ 3	.7	.2																5	5	4	0			
2/ 1	.2	.5																4	4	3	0			
0/ -1																		3	3	2	0			
-2/ -3																		2	2	1	0			
-4/ -5																		1	1	0	0			
-6/ -9																		1	1	0	0			
Station (2)																		Wet Bulb Below 50°F						
Dry Bulb																		0.0	0.0	0.0	0.0	0.0	0.0	Total
Wet Bulb																								
Wet Bulb																								
Wet Bulb																								

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THE UNIVERSITY OF CHICAGO

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CONCLUSIONS

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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STATION

STATUS NAME

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Abstract

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1960 (L. 2. V.)

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67 5		.2																2	2	2	9
47 3		.1																1	1	1	6
27 1																					2
17 -1																					1
-27 -3																					4
-47 -5																					1
TOTAL	9.838	3.352	1.116	4.6	2.8	1.3	.2											819	837	819	819

PSYCHROMETRIC SUMMARY

73-81

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STATION

STATION NAME

YEARS

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PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YEARS

MONTH

PAGE 2 1500-1700

1900-170
HOURS (L - S - T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11		.2																2	2		16
10/ 9		.2																2	2	3	13
8/ 7																				2	9
6/ 5																					1
4/ 3																					1
2/ 1																					1
0/ -1																					2
-2/ -3																					4
-4/ -5																					2
TOTAL	6.7	22.3	32.2	17.6	7.2	7.2	4.4	1.0	1.0	.2									816	835	816
																			816		816

PSYCHROMETRIC SUMMARY

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1800-2000

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PSYCHROMETRIC SUMMARY

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2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Rain Falls				
TOTAL	9.7	8.9	8.1	7.2	6.2	.5	.2											816	837	816	816				
Gleason (H)	S _a '	S _b	S _c	S _d	S _e											Range No. of Hours with Temperature									
Rel. Hum.	4889634	62264	76.2	83.0	84	816	20 F	23 F	26 F	28 F	30 F	32 F	Total	V3											
Dry Bulb	1038477	28187	33.0	4.888	837	48.9													V3						
Wet Bulb	862486	28438	31.2	4.233	7.26	46.4													V3						
Rain Falls	873189	21692	26.0	25.767	7.26	46.4													V3						

PSYCHROMETRIC SUMMARY

YEAR

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HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

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0900-1100
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1200-1400

1200-1200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
16 / 15																					4			
14 / 13																					6			
12 / 11																					2			
TOTAL	2.5	15.6	15.6	17.0	16.8	12.6	8.3	5.9	3.8	1.6	.4								810		810			
																		810		810				
Element (X)	ΣX^2		ΣX		X	σ_x	No. Obs.	Mean No. of Hours with Temperature										Total						
Rel. Hum.	3165344		48382		59.7	18.452	810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
Dry Bulb	2215448		41248		50.9	11.920	810		4.4	11.1	4.2	.8		90										
Wet Bulb	1644500		35688		44.1	9.441	810		10.9	.1				90										
Dew Point	1146010		29232		36.1	10.609	810		34.6					90										

PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY

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PAGE 2

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
16/ 15																					9			
14/ 13																					1			
12/ 11																					3			
TOTAL	2.5	16.2	13.6	17.8	13.2	12.2	9.1	8.8	3.5	3.0	.2								810		810			
																		810		810				
Element (X)	X ₁	X ₂	X ₃	C ₁	No. Obs.	Mean No. of Fibers with Temperature						Total												
Sol. Num.	3117540	47658	58.819.688	810	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total													
Dry Bulb	2248808	41516	51.311.819	810		4.0	10.3	3.8	.7		98													
Wet Bulb	1443658	36721	44.1 9.192	810		9.2	.2				98													
Dew Point	1125982	28966	35.810.588	810		35.8					98													

PSYCHROMETRIC SUMMARY

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1600-2000
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

YEARS

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MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 21																					3
TOTAL	1.3	9.1	11.7	14.1	14.0	13.0	11.7	10.5	7.5	4.9	1.6	.5		.1				837	837	837	
																		837		837	

PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YEARS

MONTH

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01-500-170
HOURS 14-5-7-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
92/ 91												.1						1	1						
90/ 89											.2	.4						5	5						
88/ 87											.2	.1						3	3						
86/ 85							.1	.5	.4	.4	.4	.1						15	15						
84/ 83					.1	.1	.2	.7	.8	.4	.4	.2	.2					26	26						
82/ 81				.1		.1	.5	.1	.1	.7	.1	.1						16	16						
80/ 79			.1	.4		.2	.4	.4	.4	.2	.2							19	19						
78/ 77			.1	.2	.5	.6	.2	.6	.7	.4	.1	.1	.1					31	31						
76/ 75				.1	.4	.8	.7	.7	.6	.1	.2							31	31	2					
74/ 73			.2	.6	1.3	1.0	.7	1.0	.4	.2	.2	.2						49	49	9	2				
72/ 71			.4	.8	.7	.4	.2	1.1	.4	.2		.2						37	37	14	4				
70/ 69			.2	.7	.8	1.2	.7	1.3	1.3	.7								59	59	24	4				
68/ 67		.2	.4	.4	.8	1.4	.6	1.0	1.4	.4								55	55	36	7				
66/ 65		.1	.1	1.3	1.3	1.0	.7	1.4	.8	.4								60	60	50	23				
64/ 63		.1	.7	1.0	1.1	1.9	1.1	.7	.7	.2								63	63	40	22				
62/ 61		.7	1.3	1.7	.2	.7	.7	.6	.1									51	51	45	32				
60/ 59		1.1	1.1	1.7	.7	1.0	.5	.4										53	53	60	30				
58/ 57	.1	.4	1.0	1.2	.5	1.2	.8	.6										48	48	76	46				
56/ 55	.5	.2	1.2	1.2	.6	.6	.4											39	39	77	43				
54/ 53		.6	.5	1.6	.8	1.0	1.2											47	47	79	54				
52/ 51		.5	.4	.4	.4	.8	.7											26	26	67	67				
50/ 49		.5	1.0	1.1	.4	.4												27	27	52	58				
48/ 47	.2	.8	.5	1.2	.7		.1											30	30	51	46				
46/ 45	.1	.5	1.4	.2	.6													24	24	44	62				
44/ 43	.2	.1	.2	.2	.1													8	8	35	45				
42/ 41		.2	.2	.1														5	5	44	43				
40/ 39	.1																	1	1	16	52				
38/ 37	.6	.1																6	6	13	46				
36/ 35	.1		.1															2	2	2	48				
34/ 33																					21				
32/ 31																				1	27				
30/ 29																					30				
28/ 27																					14				
26/ 25																					6				
Element (K)	Σ H ¹				Σ H				Σ		Σ _A		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.															≤ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY

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PAGE 2 **1500-1700**
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
24 / 23																					2
22 / 21																					2
20 / 19																					1
TOTAL	2.0	6.2	11.1	16.1	11.9	14.3	10.6	11.0	8.1	4.3	2.2	1.7	.4						837		837
																			837		837
																			</		

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STATION

STATION NAME

YEARS

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PAGE 1 1800-2000

NAME (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
88/ 87											.1							1	1															
86/ 85							.1					.1						2	2															
84/ 83							.2	.1	.1									4	4															
82/ 81						.1	.2	.4	.2	.1								9	9															
80/ 79					.1	.5	.1	.4	.2									11	11															
78/ 77				.1	.1	.2	.5	.4	.2									13	13															
76/ 75					.7	.2	.5	.4	.1	.1								17	17															
74/ 73				.4	.6	.8	.5	.6	.1	.1								26	26	1														
72/ 71			.4	1.1	.6	.5	.5	.5	.5	.1								34	34															
70/ 69			.1	.6	1.0	.4	1.0	.1	.5		.1							31	31	9														
68/ 67		.1	.5	.7	.8	1.0	.8	.6	.1	.1	.1							41	41	18	4													
66/ 65		.2	1.1	1.0	1.2	.4	.7	.5	.5	.1								47	47	32	12													
64/ 63	.2	.2	1.2	1.9	.6	.6	.8	1.0	1.0									63	63	43	23													
62/ 61	.4	.7	1.1	1.1	1.7	1.6	1.2	.2	.1									67	67	40	25													
60/ 59	.1	1.6	3.1	1.7	1.3	1.1	1.1	.4										86	86	46	33													
58/ 57		1.0	1.1	1.2	.6	1.1	.5	.1										46	46	73	46													
56/ 55	.1	1.0	1.3	1.3	1.8	1.0	.7	.1										61	61	61	42													
54/ 53	.1	1.2	1.6	1.3	1.1	.5	.7											54	54	70	53													
52/ 51		.7	1.9	1.0	1.1	.4												42	42	75	64													
50/ 49	.1	1.8	1.3	1.3	.8	.5	.1											50	50	70	46													
48/ 47		1.4	1.3	1.2	1.0	.1												42	42	73	62													
46/ 45	.4	1.2	1.7	1.0	.7	.2												43	43	63	52													
44/ 43	.1	.2	.3	.7	.4													16	16	44	66													
42/ 41	.1	.2	1.1	.6	.1													18	18	48	45													
40/ 39	.1		.2	.1														4	4	26	86													
38/ 37	.4			.1														4	4	21	41													
36/ 35	.1	.4																4	4	9	54													
34/ 33	.1																	1	1	5	24													
32/ 31																				1	45													
30/ 29																					12													
28/ 27																					13													
26/ 25																					9													
24/ 23																					2													
22/ 21																					5													
Element (X)	S ₁		S ₂		I		C ₁		R ₁ C ₂		Mean Wt. of Means with Temperature																							
Ref. Hum.																					0.0 F		0.20 F		0.40 F		0.75 F		0.80 F		0.90 F		Total	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

0-26-5 (OLA)

USAPETAC

PSYCHROMETRIC SUMMARY

MAY
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																																		
78/ 77					.1	.1												2																																				
76/ 75					.4	.2												5																																				
74/ 73				.1		.2	.4											6																																				
72/ 71			.1	.2	.1	.2	.1	.1										8																																				
70/ 69			1.0	.4	.1	.2	.1											15			2																																	
68/ 67			.7	.4	.8	.6	.4											24			10																																	
66/ 65		.8	.2	.7	.1	.5	.1	.1										22			12	5																																
64/ 63		1.1	1.0	.4	.5	.2		.1	.1									28			19	15																																
62/ 61	.1	1.3	.6	1.2	1.0	.6	.5											44			22	17																																
60/ 59	.4	2.7	3.0	1.4	1.0	.2	.4	.1										77			40	27																																
58/ 57	.6	2.2	2.9	1.6	.7	.5	.6											75			47	34																																
56/ 55		1.7	2.0	1.4	1.4	1.1	.1											65			73	35																																
54/ 53		2.9	2.0	1.1	1.3	.6												66			58	41																																
52/ 51	.2	2.3	.8	1.0	1.7	.4												53			74	66																																
50/ 49	.5	2.4	3.1	2.0	1.3													78			57	67																																
48/ 47	.2	3.6	1.8	2.4	1.2													77			69	60																																
46/ 45	.5	3.5	2.5	1.3	.1	.1												67			99	62																																
44/ 43	.5	1.6	2.2	1.1	.2	.1												47			73	63																																
42/ 41	.2	.8	1.0	1.6	.1													31			70	53																																
40/ 39	.2	.5	1.7	.2														22			37	56																																
38/ 37	.1	.7	.5	.2														13			30	56																																
36/ 35	.2	.1	.5															7			26	52																																
34/ 33	.4	.2																5			14	44																																
32/ 31																					5	47																																
30/ 29																						12																																
28/ 27																						18																																
26/ 25																						4																																
24/ 23																						3																																
22/ 21																						2																																
20/ 19																						1																																
TOTAL	4.2	28.3	27.9	18.6	12.2	6.0	2.6	.5	.1									837			837	837																																
Element (X)	Σ																					Σ																																
Rel. Hum.	4808229																					62167			74.3			14.998			837			Σ 0 F			Σ 32 F			Σ 67 F			Σ 73 F			Σ 88 F			Σ 93 F			Total		
Dry Bulb	2434830																					44590			53.3			8.426			837			6.7			1.4												93					
Wet Bulb	2063032																					41034			49.0			7.836			837			.6			1.3												93					
Dew Point	1780088																					37488			44.8			9.231			837			9.3															93					

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ALL
WOMEN (b. 8. 7.)

ISAPETAC FORM 0-26-5 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MAY 64

PSYCHROMETRIC SUMMARY

MAY

Category 1

ALL

MOORE (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

JUN

STATION NAME

1994

PAGE 1

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PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

YEARS

NOTES

PAGE 1 0600-0800

0600-0000
HOURS (L. A. T.)

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PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY
STATION STATION NAME

73-81

YEARS

JUN

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

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1

YEARS

MONTH

HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

JUN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
92/ 91										.0	.0							2	2					
90/ 89									.0	.0	.0							5	5					
88/ 87						.0	.0	.1	.0	.1	.0							18	18					
86/ 85				.0	.0	.1	.1	.1	.1	.2	.0	.0						41	41					
84/ 83			.0	.0	.1	.2	.3	.3	.2	.1	.1	.1						90	90					
82/ 81		.0	.0	.2	.3	.4	.6	.5	.3	.1	.1	.0						175	175					
80/ 79		.1	.1	.2	.6	.6	.5	.9	.4	.3	.0							234	234	10	4			
78/ 77		.1	.2	.5	.8	.5	1.1	.4	.3	.2	.1							265	265	15	10			
76/ 75		.2	.2	.5	1.0	1.1	.6	.7	.4	.3	.1							339	339	44	12			
74/ 73	.0	.2	.6	1.2	1.0	1.2	.8	.6	.7	.1	.0							413	413	117	33			
72/ 71	.0	.3	1.2	1.3	1.6	.8	.8	.5	.2	.0								440	440	180	73			
70/ 69	.0	.4	1.3	1.6	1.5	1.1	.8	.5	.2	.0								483	483	267	103			
68/ 67	.2	1.1	2.0	1.6	1.2	.8	.8	.3	.0									535	535	396	231			
66/ 65	.3	1.9	2.1	1.7	1.0	.6	.5	.2	.0									534	534	624	302			
64/ 63	.3	2.0	2.1	1.8	1.0	.7	.4	.1										543	543	668	411			
62/ 61	.4	1.9	1.3	1.4	.7	.5	.3	.1										424	424	676	450			
60/ 59	.4	2.3	1.9	1.4	.6	.4	.1	.0										458	458	660	696			
58/ 57	.3	2.5	1.6	1.2	.5	.4	.1											423	423	641	639			
56/ 55	.1	1.8	1.4	.8	.5	.1	.0											307	307	600	570			
54/ 53	.2	1.0	1.2	.8	.3	.1												231	231	458	541			
52/ 51	.2	.9	1.1	.4	.2	.0												174	174	306	462			
50/ 49	.0	.7	1.0	.3	.1													144	144	275	425			
48/ 47	.0	.5	.4	.3	.1													90	90	216	390			
46/ 45		.3	.3	.2														53	53	148	306			
44/ 43	.0	.2	.2	.1														32	32	78	267			
42/ 41	.1	.1	.1	.0														24	24	60	224			
40/ 39			.0															1	1	31	122			
38/ 37																				10	95			
36/ 35																					1	42		
34/ 33																						34		
32/ 31																						32		
30/ 29																						4		
TOTAL	2.6	18.6	20.4	17.4	13.2	9.5	7.9	5.4	2.9	1.5	.6	.1						6478	6478	6478	6478			
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.	33660269		454119		70.1		16.792		6478		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 92 F			
Dry Bulb	28478549		425425		65.7		9.130		6478						337.9		175.4		51.7		720			
Wet Bulb	23176259		384559		59.4		7.323		6478						114.4		20.7		.3		720			
Dew Point	19925487		355149		54.8		8.380		6478				4.0		51.8		6.6		.1		720			

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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1941 (L. S. T.)

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PSYCHROMETRIC SUMMARY

73-81

JUL

PAGE 1 **0300-0500**
NEWS (L. S. T.)

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MONTH

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HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (O.L.A.)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
94/ 93								.1	.2	.1	.1	.1						6	6					
92/ 91							.1	.4	.1	.2	.1							8	8					
90/ 89					.4	.1	.1	.5	.5	.4	.2	.1						20	20					
88/ 87					.2	.5	1.3	1.0	1.1	.1	.5	.2	.1		.1			41	41					
86/ 85				.1	.2	1.3	1.6	1.8	1.1	.8	.8	.2						67	67					
84/ 83				.1	1.1	2.2	1.3	2.6	1.1	1.4	.5							86	86					
82/ 81		.1	.1	.4	1.3	2.3	3.2	2.6	1.7	.8	.2							107	107	4				
80/ 79		.1	.1	.2	1.1	1.9	2.2	2.3	2.5	1.6	.2							102	102	8	2			
78/ 77	.1	.1	.5	1.0	1.7	1.4	3.2	2.4	.6	1.1	.1							102	102	20	5			
76/ 75		.4	.7	1.1	2.0	1.9	1.8	1.1	1.1	.5	.1							89	89	43	8			
74/ 73		.6	1.1	1.0	1.4	1.1	1.1	1.0	.8	.8	.1							75	75	85	27			
72/ 71		.2	.8	.5	.8	1.1	.5	1.0	.5									45	45	92	38			
70/ 69	.1	.4	1.0	1.0	.4	.6	.1	1.0										37	37	109	60			
68/ 67		.2	1.2	.4	.5	.4	1.0	.1										31	31	108	77			
66/ 65		.4	.1		.2	.2												8	8	132	84			
64/ 63		.5																4	4	86	77			
62/ 61		.4	.1	.4	.1													8	8	54	88			
60/ 59			.1															1	1	40	81			
58/ 57																				29	58			
56/ 55																				25	56			
54/ 53																				2	48			
52/ 51																					38			
50/ 49																					28			
48/ 47																					22			
46/ 45																					23			
44/ 43																					14			
42/ 41																					3			
40/ 39																					4			
38/ 37																					2			
TOTAL	.2	3.3	5.9	6.0	11.5	14.9	17.4	17.7	11.2	7.9	3.1	.7	.1					837	837	837	837			

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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

JUL

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PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

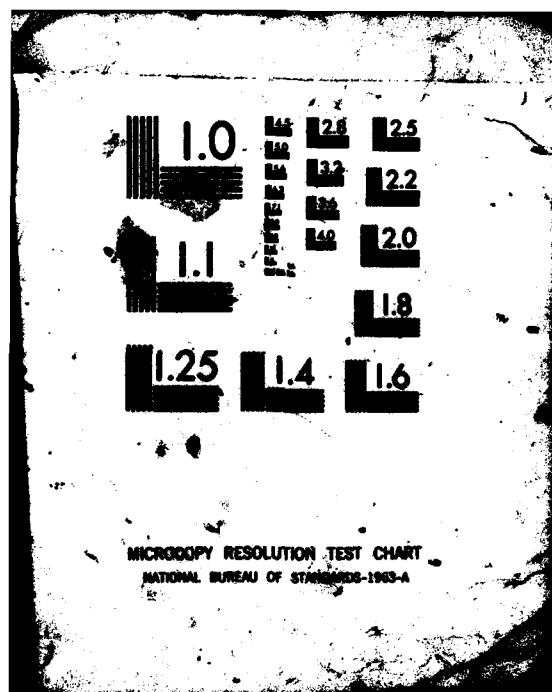
1934年 (L. S. T.)

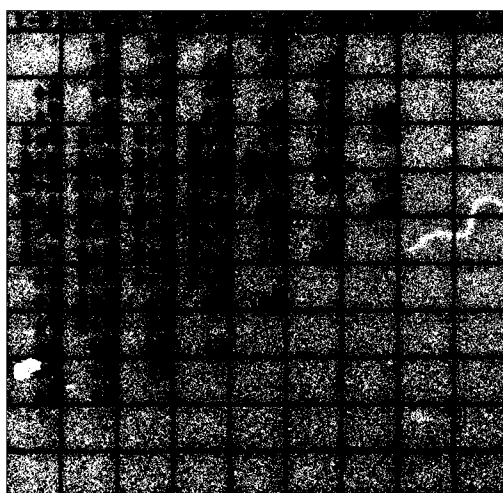
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AD-A116 089 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
NIAGARA FALLS, NEW YORK, REVISED UNIFORM SUMMARY OF SURFACE WFA--ETC (11)
APR 82
UNCLASSIFIED USAFETAC/DS-82/021 581-AD-E850 166 NL

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The image displays a dense, high-contrast grid pattern, characteristic of a film negative or a severely degraded scan of a document page. The grid is composed of numerous small squares, with the lines between them appearing as dark, irregular borders against a lighter, noisy background. The overall appearance is grainy and textured, with significant vertical banding and horizontal streaking, suggesting severe degradation or damage to the original source. The left edge of the image shows a dark, irregular border, possibly indicating the edge of the scanned area or a physical artifact. The right edge is also irregular, with some areas appearing brighter than others. The central portion of the image shows a more uniform grid pattern, though still heavily affected by noise and distortion. The overall effect is one of extreme contrast and visual noise, making it difficult to discern any specific details or text that might have been present in the original document.

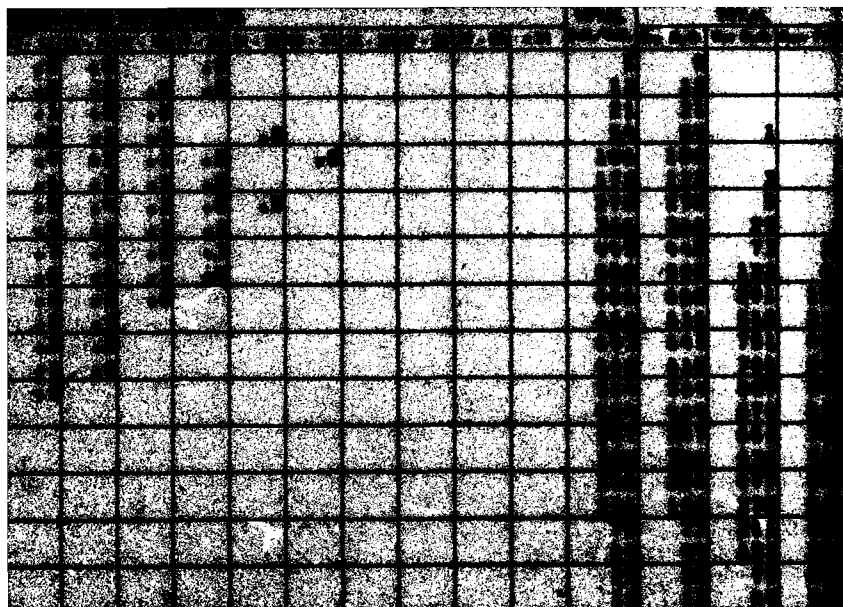
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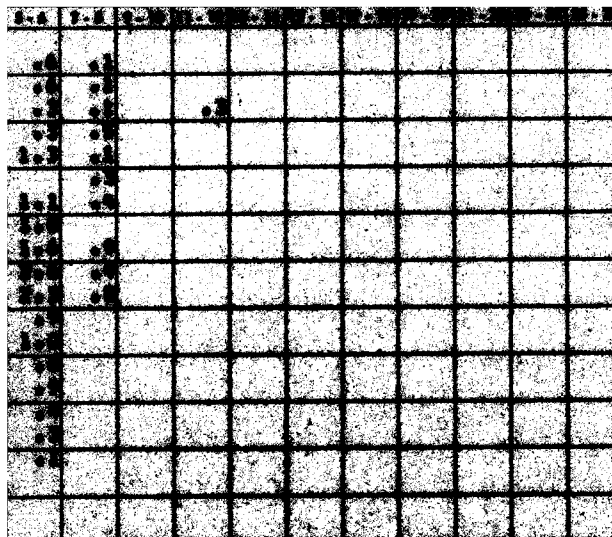
WEATHER SERVICE/NOO

7-10-67 NIAGARA FALLS 807

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AIR WEATHER SERVICE/HAG

PSYCHROMETRIC SUMMARY

72807 NIAGARA FALLS NY

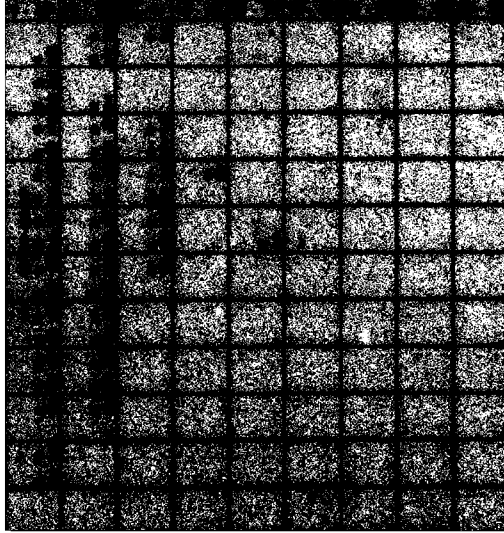
73-01

SEP

PAGE 1

8480-0000
NOV 11 1973

Temp. (°F)	DEW POINT TEMPERATURE DEVIATIONS (°F)																				TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Wet Bulb	Wet Bulb	Wet Bulb	Wet Bulb				
76/ 77		.1		.3														2	2						
76/ 76		.1	.6		.1	.1												8	23	17					
74/ 73	.3	.4	1.0	.4														16	17	2					
72/ 71	.1	.8	1.0	.5	.1													28	23	17					
70/ 69		1.0	1.0	1.0	.1													37	41	18	20				
68/ 67		1.0	2.0	.4	1.0	.1		.1										45	47	27	26				
66/ 65	.1	1.0	1.0	1.0	.1	.3												54	57	39	23				
64/ 63	.3	2.0	2.1	1.0	.4	.1		.1										61	61	42	22				
62/ 61		1.0	1.0	1.1	.3													58	58	40	22				
60/ 59	.1	2.7	3.3	2.1	.4													60	60	42	22				
58/ 57		2.0	4.2	1.0	.4		.1											70	71	50	25				
56/ 55	.1	4.0	2.0	1.0	.1	.3												71	71	72	27				
54/ 53	.4	5.0	1.0	1.0	.4													81	87	64	29				
52/ 51	.1	3.0	2.0	.3	.1													90	99	70	30				
50/ 49		1.0	1.0	1.0	.1													90	90	90	30				
48/ 47		2.0	1.0	.4														90	91	94	30				
46/ 45		1.0	1.1															23	23	23	30				
44/ 43		1.0	.4	.3														10	20	30	30				
42/ 41		.4	.3	.3														11	11	11	30				
40/ 39		.4	.4	.4														6	6	12	30				
38/ 37		.4	.3															7	7	6	30				
36/ 35		.4	.3															8	8	6	30				
34/ 33		.4																8	8	6	30				
32/ 31																		8	8	6	30				
30/ 29																					30				
28/ 27																					30				
26/ 25																					30				
TOTAL	1.0	1.0	1.0	1.0	1.0	.4	.4	.1	.1									700	810	700	700				



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SEP

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	.1	7.8	10.5	13.0	20.1	20.7	14.5	9.3	2.0	.9	.3							792	810	792		
	</																					

PSYCHOMETRIC SUMMARY

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PSYCHOLOGICAL SUMMARY

73-61

PAGE 1

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287
STATION

NIADARA FALLS NY
STATION NAME

73-81

YEAR

OCT

MONTH

PAGE 1 0000-1100
TIME (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	30	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
80/ 79							.1											1	1					
76/ 75						.1												1	1					
74/ 73					.2		.2											1	1					
72/ 71				.1	.4	.2	.2	.1										1	1					
70/ 69				.6	.5	.2	.2	.1	.1									1	1					
68/ 67				.8	.7	.5	.5	.2										1	1					
66/ 65			.2	.6	1.0	.2	.4											1	1					
64/ 63		.8	.7	1.1	.7	.2	.2											1	1					
62/ 61		1.2	.7	2.0	.8	.2	.2	.1										1	1					
60/ 59		1.1	1.1	1.0	1.0	.2	.2											1	1					
58/ 57		.8	1.0	1.0	1.0	.2	.1											1	1					
56/ 55	.1	1.0	1.0	1.0	1.0	.2												1	1					
54/ 53	.2	1.1	1.1	1.0	1.0	.2												1	1					
52/ 51	.2	1.0	1.0	1.0	1.0	.1												1	1					
50/ 49	.2	1.1	1.0	1.0	.8													1	1					
48/ 47	.2	1.0	1.0	1.0	.8													1	1					
46/ 45		1.0	1.0	1.0	.6													1	1					
44/ 43		1.0	1.0	.8	.6													1	1					
42/ 41		1.1	1.0	1.0	.6													1	1					
40/ 39		.6	1.0	1.0	.6													1	1					
38/ 37		.4	.6	.6	.4													1	1					
36/ 35			.4	.4	.4													1	1					
34/ 33	.4		.4	.4	.4													1	1					
32/ 31			.2															1	1					
30/ 29																		1	1					
28/ 27																		1	1					
26/ 25																		1	1					
24/ 23																		1	1					
22/ 21																		1	1					
20/ 19																		1	1					
18/ 17																		1	1					

PSYCHROMETRIC SUMMARY

720207

NIAGARA FALLS NY

73-01

GET

PAGE 1

1200-1400
1200-1400

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																	TOTAL W.B./D.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	Dry Bulb		Wet Bulb	Wet Pot	
82/ 81							.1										1	1			
80/ 79							.2										2	2			
78/ 77																	1	1			
76/ 75						.5	.7	.1	.1	.1							13	12			
76/ 73				.1	.4	.7	.6	.5	.4	.4							23	23			
72/ 71			.7	.1	1.0	.6	.6	.5	.4	.4	.1						31	31			
70/ 69	.1		.1	.1	.1	1.0	.6	.4	.4	.1							39	39	2		
69/ 67		.5		.2	.2	1.0	.6	.2	.2	.2							29	29	2		
67/ 65	.1	.5	1.3	1.4	.7	.4	.5	.2									43	43	16		
64/ 63	.4	.6	1.2	1.2	1.7	1.0	.6										47	47	28		
62/ 61	.1	.6	1.4	.6	1.5	.6	.5	.1									42	42	31		
60/ 59	.6	.6	1.2	1.2	1.6	.2		.1									46	46	46		
58/ 57	.4	.6	1.4	2.0	1.4	1.4	.1										44	44	39		
56/ 55	.4	1.4	2.0	2.3	1.6	.4	.1										44	44	32		
54/ 53	1.4	1.4	2.3	2.3	.8	.1											57	56	49		
52/ 51	1.6	.6	2.3	3.3	.4												60	60	60		
50/ 49	.6	1.4	2.9	2.0	.1												56	56	56		
48/ 47	1.6	.7	2.6	2.6	.2	.1											62	62	62		
46/ 45	1.7	1.7	2.6	1.7	.1												60	60	60		
44/ 43	1.4	1.4	.6	.6													58	58	58		
42/ 41	.4	.7	.4	.4													54	54	54		
40/ 39	.6	1.2	.4	.4													54	54	54		
38/ 37			.4	.1													50	50	50		
36/ 35			.2														46	46	46		
34/ 33																	42	42	42		
32/ 31																	38	38	38		
30/ 29																	34	34	34		
28/ 27																	30	30	30		
26/ 25																	26	26	26		
24/ 23																	22	22	22		
22/ 21																	18	18	18		
20/ 19																	14	14	14		
18/ 17																	10	10	10		
16/ 15																	6	6	6		
14/ 13																	2	2	2		
12/ 11																					
10/ 9																					
8/ 7																					
6/ 5																					
4/ 3																					
2/ 1																					

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Figure 1: A schematic diagram of a two-dimensional lattice. It shows a central square unit cell with four atoms at the corners. The lattice is composed of these unit cells arranged in a grid. Labels include 'a' for the lattice constant, 'b' for the bond length, and 'c' for the distance between atoms. The diagram is labeled 'Figure 1' and 'Figure 2'.

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OCT

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1500-1700

USAFETAC

FORM 0-6-3 (OL A)

UNITED STATES DEPARTMENT OF THE ARMY AIR CORPS

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USAF/STAC FROM 0-20.5 (OLA) LIMITED IMPROVED MEMBERS OF THE FOUR ARE COUSINS
AS 14

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

729287
STATION

NIAGARA FALLS NY
STATION NAME

73-81

YEAR

OCT
MONTH

PAGE 1 2100-2108
FORM (L. S. 1)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Wet Ratio					
70/ 69					.1	.4												4	4						
68/ 67					.8	.1	.1											9	9						
66/ 65		.2	.5	.5	.1	.2	.2											15	15						
64/ 63		.6	.5	.5	.2	.1	.1											16	16	4	1				
62/ 61	.2	1.1	.2	.1	.5	.8	.1											20	20	15	7				
60/ 59	.4	1.1	2.0	.2	.7	.1	.2											20	20	27	12				
58/ 57		.5	1.9	.2	.5													20	20	20	14				
56/ 55		2.4	1.4	1.1	.4													20	20	29	18				
54/ 53		2.2	2.9	1.6	.1													20	20	27	34				
52/ 51		2.3	4.0	.7	.4	.1												20	20	27	32				
50/ 49	.1	2.2	4.4	1.0	.6	.9												70	70	64	29				
48/ 47	.2	3.7	2.8	1.7		.1												71	71	67	20				
46/ 45		2.2	5.3	2.5		.2												85	85	70	78				
44/ 43		3.0	5.7	1.1	.4													85	85	50	71				
42/ 41		2.4	5.3	.9	.2													72	72	89	69				
40/ 39	.5	2.5	2.0	.6														67	67	100	61				
38/ 37		3.1	2.6	.8														52	52	61	70				
36/ 35		.8	1.3	.6														23	23	60	60				
34/ 33		.5	.6	.6														14	14	22	60				
32/ 31		.1	.9	.2	.1													7	7	16	64				
30/ 29			.2	.1														2	2	4	27				
28/ 27			.2																	8	10				
26/ 25																				2	1				
24/ 23																									
22/ 21																									
20/ 19																									
18/ 17																									
16/ 15																									
14/ 13																									
12/ 11																									
10/ 9																									
TOTAL	1.430	44.8	14.8	5.1	2.0	.6												638	638	638	638				

Element (F)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Dry Bulb	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Wet Bulb	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Wet Ratio	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0

FORM 6-24-5 (OL. A) REPRODUCED BY THE AIR FORCE

USAFETAC

PSYCHROMETRIC SUMMARY

73-01

OCT

STATION NAME

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CONCLUSIONS



[illegible]

PSYCHROMETRIC SUMMARY

73-41

CSI

ALB

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL S.A./H.A.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Wet Bulb	Wet Bulb	Wet Bulb				
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
TOTAL	1.4	27.2	31.6	19.7	10.8	5.1	2.7	1.8	.4	.2	.1	.8							6692		6692			

PSYCHROMETRIC SUMMARY

78-01

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GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

726287 NIABARA FALLS NY

73-01

NOV

PAGE 1 8300-0500
GROSS (L. S. V.)

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																				TOTAL S.A./H.O.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Day Bulb	Nat Bulb	Dew Point				
66/ 65				.1														1	1					
64/ 63			.1	.0														6	6					
62/ 61		.5	.1			.0												8	8	2				
60/ 59		1.2		.1	.1													12	12	7	2			
58/ 57		.1	1.1	.2														12	12	12	8			
56/ 55		.5	.2	.2														8	8	7	14			
54/ 53	.1	1.7	.6	1.0	.6													28	28	18	6			
52/ 51	.1	1.6	1.7	.6	.4	.1												27	27	19	12			
50/ 49	.1	2.8	2.0	1.2		.1												48	48	31	19			
48/ 47		.9	1.9	.2		.1												22	22	41	25			
46/ 45		1.2	1.2	1.0														28	28	34	22			
44/ 43		2.2	3.2	.9	.2													22	22	24	22			
42/ 41	.1	2.8	2.7	.2														50	50	33	26			
40/ 39		3.7	5.0	.6														80	80	60	32			
38/ 37	.1	4.2	4.1	.6														72	72	52	40			
36/ 35	.4	5.0	3.0	.1														72	72	60	47			
34/ 33	.6	3.0	3.0	.4														62	62	50	57			
32/ 31	.2	4.1	3.2	.1														62	62	58	64			
30/ 29	.2	4.2	1.0															42	42	57	71			
28/ 27	.2	4.2	.2															42	42	60	78			
26/ 25	.2	3.2	.4															22	22	42	85			
24/ 23	.1	.7	.2															7	7	21	92			
22/ 21	.2	.4																6	6	18	99			
20/ 19		.6																2	2	6	106			
18/ 17		.1																1	1	1	113			
16/ 15																					120			
14/ 13																					127			
12/ 11																					134			
10/ 9		.4																			141			
8/ 7																					148			
TOTAL	1.240	1.970	4.5	2.4	.9													202	202	102	148			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

725207
STATION

NIAGARA FALLS NY
STATION NAME

72-81
YEAR

YEAR

807
DAY

PAGE 1

807-1992
DATE

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																				TOTAL W.B./D.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	By	Sub	Wet	Sub	Wet
66/ 68				.1																	2				
65/ 63		.1	.1	.1																	10				
62/ 61		.1	.1	.1	.1																10				
60/ 59		.1	.1	.1	.1																10				
58/ 57	.1	1.1	.1	.1	.1																20				
56/ 55		.1	.1	.1	.1	.1															7				
54/ 53		1.0	.1	.1	.1	.1															30				
52/ 51		2.0	.1	.1	.1	.1															25				
50/ 49	.1	2.0	1.0	.1	.1																30				
48/ 47		1.0	2.0	.1	.1	.1															31				
46/ 45		3.0	1.0	1.0	.1	.1															61				
44/ 43		1.7	2.0	.1	.1	.1															33				
42/ 41		1.0	1.0	.1	.1																47				
40/ 39		3.1	2.7	.7																	77				
38/ 37	.1	4.0	3.7	.7																	77				
36/ 35	.1	3.7	3.0	.7																	65				
34/ 33	.1	4.0	2.0																		62				
32/ 31		3.0	3.0	.1																	84				
30/ 29	.1	6.0	1.7	.1																	84				
28/ 27	.1	2.0	.1																		24				
26/ 25		1.0																			11				
24/ 23		.1	.1																		11				
22/ 21	.1	.1																			11				
20/ 19		.1																			11				
18/ 17		.1																			11				
16/ 15																					11				
14/ 13																					11				
12/ 11		.1																			11				
10/ 9		.1																			11				
8/ 7																					11				
TOTAL		2.045	1.071	9.0	1.0																310	610	820	820	

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PSYCHROMETRIC SUMMARY

NOV

PAGE 1 8980-1100
1000-1-1-1

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PAGE 2 ~~SECRET~~

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PSYCHROMETRIC SUMMARY

NOV

PAGE 1 1200-1400
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NOV

0107400

STAYING HOME

W

Abstract

1200-1400

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

KANETAC
FORM 0-36-3 (OL A)
REV. 10
STANDARD FORMS SERVICE OF THE GOVERNMENT PRINTING OFFICE

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

1500-1700
HOURS (L. & T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

NOV
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
66/ 65				.1														1	1						
64/ 63			.4	.2	.1													6	6						
62/ 61		.4	.2	.2	.1	.1												9	9						
60/ 59		1.2	.7	.2	.4	.1												22	22	8					
58/ 57		1.2	.6	.1	.4	.5	.4											26	26	20	14				
56/ 55		2.1	.5	.7	.4													30	30	17	13				
54/ 53		.6	1.1	.5	.5													22	22	22	18				
52/ 51		1.4	1.5	.9	.5	.1												35	35	14	21				
50/ 49		1.5	1.5	1.5	.9													43	43	37	9				
48/ 47		1.4	1.2	.6	.5													30	30	39	22				
46/ 45		2.1	1.5	2.2	.5													51	51	34	35				
44/ 43		2.7	2.7	1.6														57	57	43	25				
42/ 41		2.1	3.7	2.3	.5													70	70	50	36				
40/ 39	.1	2.1	5.6	1.5	.1													76	76	63	49				
38/ 37	.2	2.0	4.9	1.1	.1													68	68	75	33				
36/ 35	.1	2.7	3.3	1.0														58	58	79	57				
34/ 33		1.9	4.8	.6														59	59	74	45				
32/ 31	.4	3.6	3.7	.2														64	64	55	51				
30/ 29	.2	1.5	2.1															31	31	81	64				
28/ 27	.1	1.4	1.4	.1														24	24	34	62				
26/ 25	.1	1.0	.2															11	11	33	66				
24/ 23	.2	.1	.1															4	4	17	42				
22/ 21		.4	.2															5	5	3	32				
20/ 19		.1	.1															2	2	2	31				
18/ 17		.2																2	2	4	16				
16/ 15		.1																1	1	2	13				
14/ 13		.1																1	1	1	5				
12/ 11																				1	3				
10/ 9		.1																1	1	1					
8/ 7																					2				
6/ 5																					4				
4/ 3																					1				
TOTAL	1.434	0.462	3.159	4.9	.9	.4												809	810	809	809				
Element (K)	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	Mean No. of Hours with Temperature							
Rel. Hum.	4517216	59556	73.712.093	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809				
Dry Bulb	1455401	33487	41.3	9.433	810	810	810	810	810	810	810	810	810	810	810	810	810	810	810	810	810				
Wet Bulb	1235828	30774	38.0	8.983	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809				
Dew Point	985050	26760	33.310.353	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809				

FORM 6-26-5 (OL A) REVERSE REVISED EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287 NIAGARA FALLS NY

73-81

NOV

PAGE 1 2100-2100
(NOV 1, 1973)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
64/ 63			.2	.1	.1																				
62/ 61		.4		.1																					
60/ 59		.7	.6		.4	.4																			
58/ 57		1.0	.6	.1																					
56/ 55	.1	2.6	.4	.7			.4																		
54/ 53	.1	1.6	.9	.5	.4																				
52/ 51		1.1	1.9	.6	.7																				
50/ 49		1.6	1.5	1.1	.2	.4																			
48/ 47		1.9	1.6	1.1																					
46/ 45	.1	1.9	1.7	1.0	.1																				
44/ 43	.1	2.6	2.2	1.1																					
42/ 41		3.1	3.5	1.1																					
40/ 39	.1	3.2	4.7	2.3	.1																				
38/ 37	.2	2.5	4.3	1.5																					
36/ 35	.2	3.0	3.2	.4																					
34/ 33		2.3	4.7	.5																					
32/ 31	.5	3.1	4.7																						
30/ 29	.7	2.0	1.7																						
28/ 27	.2	2.6	.9																						
26/ 25		1.7	1.0																						
24/ 23		.6	.2																						
22/ 21	.2	.5																							
20/ 19		.1	.1																						
18/ 17			.2																						
16/ 15		.1																							
14/ 13																									
12/ 11		.1																							
10/ 9	.1																								
8/ 7	.2																								
6/ 5																									
4/ 3																									
2/ 1																									
0/ -1																									
Station (X)	St. No.																					Stn No. of Hours with Temperature			
Rel. Hum.																						≤ 0 F	≤ 20 F	≤ 40 F	≤ 60 F
Dry Bulb																						≤ 0 F	≤ 20 F	≤ 40 F	Total
Wet Bulb																									
Dew Point																									

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
FORM 10-66 0-36-5 (OL A)
REPLACES FORMS 10-66 0-36-5 (OL A) AND 10-66 0-36-5 (OL B)

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100

2100-2300

SECRET (L. S. T.)

LAMINAC
 ITEM 9-26-5 (OLA)
 PG 60
 SEVEN THOUSAND SEVEN OF TWO ARE CALCULATED

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725287
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEARS

NOV
MONTH

PAGE 1

ALL
MODE (L, S, V)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point									
78/ 77							.0											2	2										
76/ 75						.0												2	2										
72/ 71					.0	.0												3	3										
70/ 69				.0	.1													9	9										
68/ 67		.0	.0	.0	.1	.1	.1											24	24	1									
66/ 65		.0	.1	.2	.1	.1	.1											39	39	4									
64/ 63		.1	.3	.3	.1	.1	.1	.1										70	70	14									
62/ 61	.0	.3	.2	.2	.2	.2	.1	.0	.0									83	83	11									
60/ 59		.9	.8	.3	.3	.2	.0	.0										140	140	29									
58/ 57	.0	.7	.8	.6	.3	.2	.1	.0										100	100	19									
56/ 55	.0	1.2	.4	.6	.5	.0	.1											181	181	100									
54/ 53	.1	1.3	1.0	.9	.6	.2												230	230	100									
52/ 51	.0	1.5	1.4	.6	.5	.2	.0											275	275	100									
50/ 49	.1	1.5	1.4	1.1	.6	.2												317	317	100									
48/ 47	.0	1.3	1.5	1.3	.4	.1	.0											332	332	100									
46/ 45	.1	1.0	1.5	1.7	.4	.0												345	345	100									
44/ 43	.1	2.1	2.5	1.0	.3	.0												440	440	100									
42/ 41	.0	2.1	3.3	1.0	.3													491	491	100									
40/ 39	.1	3.0	4.0	1.4	.1													590	590	100									
38/ 37	.2	3.3	3.7	1.2	.0													637	637	100									
36/ 35	.3	3.5	3.1	.8	.0													670	670	100									
34/ 33	.1	2.7	3.0	.3	.0													680	680	100									
32/ 31	.2	3.5	3.5	.2														680	680	100									
30/ 29	.4	2.3	1.0	.1														680	680	100									
28/ 27	.2	2.1	.8															680	680	100									
26/ 25	.2	1.2	.4															680	680	100									
24/ 23	.3	.4	.3															680	680	100									
22/ 21	.2	.4	.5															680	680	100									
20/ 19	.0	.2	.5															680	680	100									
18/ 17	.0	.2	.5															680	680	100									
16/ 15	.0	.2	.5															680	680	100									
14/ 13	.0	.2	.5															680	680	100									
12/ 11	.0	.2	.5															680	680	100									
10/ 9	.0	.2	.5															680	680	100									
Wet Bulb Temperature Depression (F)																				Wet Bulb Temperature Depression (F)					Wet Bulb Temperature Depression (F)				
																				+31					+31				
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PSYCHROMETRIC SUMMARY

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SYSTEM NAME

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	S.A./W.B.	Wet Bulb	Wet Bulb	Wet Bulb			
67 7	.0	.0																3	3	0	6			
67 5																				2	11			
47 3																					5			
27 1																					1			
07 -1																					2			
-27 -3																					2			
TOTAL	2.93	7.23	6.9	15.5	5.3	1.7	.7	.2	.0									6474	6488	6474	6474			

PSYCHROMETRIC SUMMARY

73-01

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PAGE 1 0000-0200

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PSYCHROMETRIC SUMMARY

73-01

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STATION

STATION NAME

LEADS

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Wet Point			
-10/-11																						1		
-14/-15																						2		
-16/-17																						1		
TOTAL	11.8	39.6	21.6	5.0	.0	.5													034	037	034	030		

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73-81

STATION NAME

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152252352452552652752852953053153253353453553653753853954054154254354454554654754854955055155255355455555655755855956056156256356456556656756856957057157257357457557657757857958058158258358458558658758858959059159259359459559659759859960060160260360460560660760860961061161261361461561661761861962062162262362462562662762862963063163263363463563663763863964064164264364464564664764864965065165265365465565665765865966066166266366466566666766866967067167267367467567667767867968068168268368468568668768868969069169269369469569669769869970070170270370470570670770870971071171271371471571671771871972072172272372472572672772872973073173273373473573673773873974074174274374474574674774874975075175275375475575675775875976076176276376476576676776876977077177277377477577677777877978078178278378478578678778878979079179279379479579679779879980080180280380480580680780880981081181281381481581681781881982082182282382482582682782882983083183283383483583683783883984084184284384484584684784884985085185285385485585685785885986086186286386486586686786886987087187287387487587687787887988088188288388488588688788888989089189289389489589689789889990090190290390490590690790890991091191291391491591691791891992092192292392492592692792892993093193293393493593693793893994094194294394494594694794894995095195295395495595695795895996096196296396496596696796896997097197297397497597697797897998098198298398498598698798898999099199299399499599699799899910001001100210031004100510061007100810091010101110121013101410151016101710181019102010211022102310241025102610271028102910301031103210331034103510361037103810391040104110421043104410451046104710481049105010511052105310541055105610571058105910601061106210631064106510661067106810691070107110721073107410751076107710781079108010811082108310841085108610871088108910901091109210931094109510961097109810991100110111021103110411051106110711081109111011111112111311141115111611171118111911201121112211231124112511261127112811291130113111321133113411351136113711381139114011411142114311441145114611471148114911501151115211531154115511561157115811591160116111621163116411651166116711681169117011711172117311741175117611771178117911801181118211831184118511861187118811891190119111921193119411951196119711981199120012011202120312041205120612071208120912101211121212131214121512161217121812191220122112221223122412251226122712281229123012311232123312341235123612371238123912401241124212431244124512461247124812491250125112521253125412551256125712581259126012611262126312641265126612671268126912701271127212731274127512761277127812791280128112821283128412851286128712881289129012911292129312941295129612971298129913001

DEC
MONTH

0300-0600

[illegible]

PSYCHROMETRIC SUMMARY

DEC

8300-0500
WASH. (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb	Wet Bulb	Wet Point			
-8/-9																					1			
-12/-13																					1			
-14/-15																					2			
-16/-17																					1			
-18/-19																					2			
TOTAL	12.7	60.2	22.3	3.8	1.0	.4												634	637	634	634			

PSYCHROMETRIC SUMMARY

YEARS

DEC

PAGE 1 0600-0000
0000 (L. 0. 0. 0.)

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Prev. Point					
58/ 57				.1	.1													2	2						
56/ 55				.1														2	2						
54/ 53			.7				.4											9	9						
52/ 51	.1	.6																6	6	5					
50/ 49		.5		.4														7	7	12					
48/ 47	.1	.5	.2	.1														8	8	12					
46/ 45	.1	.5	.4	.2														10	10	9					
44/ 43		.6	.1	.1	.1													10	10	7					
42/ 41	.2	1.0	.9	.6	.1													20	20	14					
40/ 39	.4	.2	1.2															19	19	13					
38/ 37	.6	2.0	1.0	.8														43	43	20					
36/ 35	.7	3.4	2.0	.1														50	50	44					
34/ 33	1.3	5.0	2.3		.2													74	74	50					
32/ 31	1.7	7.1	2.8	.2														96	99	91					
30/ 29	.5	3.0	4.7	.2														77	77	70					
28/ 27	1.9	5.8	1.9															78	78	68					
26/ 25	.6	4.9	1.0															59	59	101					
24/ 23	.8	1.0	1.0															34	34	53					
22/ 21	.5	2.3	.5															27	27	33					
20/ 19	1.2	3.0	.2	.1														45	45	42					
18/ 17	.4	4.1	.1															38	38	41					
16/ 15	.4	3.6																33	33	34					
14/ 13	.6	3.1																31	31	38					
12/ 11	1.0	.8																19	19	30					
10/ 9	.2	1.4	.1															14	14	9					
8/ 7	.2	1.0																9	9	14					
6/ 5	.2	.4																6	6	11					
4/ 3	.2	.2																4	4	6					
2/ 1	.1																	1	1	1					
0/ -1	.2																	1	1	1					
-2/ -3																									
-4/ -5																									
-6/ -7	.4																	1	1	1					
-14/-15																									
Station (°F)	S ₁		S ₂		S ₃		S ₄		S ₅		S ₆		S ₇		S ₈		S ₉		S ₁₀						
Stn. Num.																			Total						
Dry Bulb																									
Wet Bulb																									
Prev. Point																									

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725207
STATION

NIAGARA FALLS NY
STATION NAME

73-81
YEAR

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MONTH

PAGE 1 0900-1100
HOURS (L. S. V.I.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point						
60/ 59			.1															1	1							
58/ 57		.2	.2		.1													2	2							
56/ 55		.4	.2		.1		.1											7	7	2	1					
54/ 53		.1	.2	.1		.1	.1											6	6	5	3					
52/ 51	.1	.1	.2	.1														5	5	4	5					
50/ 49			.1															1	1	2	1					
48/ 47		.5	.2	.2		.1												9	9	3	4					
46/ 45		.8	.5		.2													12	12	7	2					
44/ 43		.8	.4	.4	.2													15	15	13	6					
42/ 41		.6	1.0	.8	.2													22	22	13	16					
40/ 39	.8	.6	.5	.7	.2													24	24	19	12					
38/ 37	.5	3.1	3.5	1.4														71	71	22	14					
36/ 35	1.1	4.5	2.8	.8														76	76	53	24					
34/ 33	1.0	4.8	2.8	1.0														79	80	67	39					
32/ 31	1.2	6.6	4.8	1.3														116	117	90	62					
30/ 29	.6	5.3	2.7	.1														72	74	91	53					
28/ 27	.8	4.8	1.4															59	59	97	79					
26/ 25	.4	4.1	1.2	.1														48	48	68	64					
24/ 23		1.7	.6															19	19	44	58					
22/ 21	.5	2.3	1.0															31	31	28	63					
20/ 19	.1	4.0	.5															38	40	28	79					
18/ 17	.4	2.9	.1															28	29	48	31					
16/ 15	.2	4.6	.1															41	41	23	37					
14/ 13	.2	1.4																14	14	38	33					
12/ 11	.2	1.2																11	11	9	42					
10/ 9	.1	.7																7	7	13	29					
8/ 7	.2	.1																3	3	6	31					
6/ 5	.1	.2																3	3	3	6					
4/ 3	.1	.1																2	2	3	12					
2/ 1		.1																1	1	1	11					
0/ -1																					4					
-2/ -3		.2																1	1		1					
-4/ -5	.1																	1	1	2	1					
-6/ -7																					1					
Element (X)	No. Obs.																					Show No. of Hours with Temperature				
Dry Bulb																						= 6 F	= 20 F	= 32 F	= 50 F	Total
Wet Bulb																										
Dew Point																										

FORM 9-24-5 (OL A) PREPARED BY AIR FORCE RESEARCH AND DEVELOPMENT DIVISION, RANDOLPH AFB, TEXAS

2

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DEC

MONTH

0900-1100

MEMPHIS (L. A. T.)

USAFETAC FORM 0-26-5 (OLA) REVERSED REMOVES EMISSIONS OF THIS FORM ARE COLLECTED AS A-4

PSYCHROMETRIC SUMMARY

725287

NIAGARA FALLS NY

73-81

DEC

STATION

STATION NAME

YEARS

MONTN

PAGE 1

1200-1400

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point												
60/ 59			.4				.1	.1										5	5													
58/ 57		.1	.4	.1	.4													8	8													
56/ 55		.1	.2	.2			.1											6	6	5												
54/ 53			.1	.2														3	3	3												
52/ 51		.1		.1		.2												4	4	3												
50/ 49		.2	.1	.1		.1												5	5	3												
48/ 47		.4	.2															5	5	7												
46/ 45	.2	.1	.6	.2	.4	.1												14	14	9												
44/ 43	.1	.8	1.0	.7	.5	.4												29	29	6												
42/ 41		1.0	1.6	1.0	.6													34	36	12												
40/ 39	.2	1.1	2.7	2.1	.7													56	56	28												
38/ 37	1.3	1.7	2.7	1.9	.6													68	68	44												
36/ 35	1.1	5.2	2.5	1.1	.1													83	83	66												
34/ 33	.5	7.5	5.9	1.0														123	126	100												
32/ 31	.5	3.9	4.1	1.0														78	81	104												
30/ 29	.2	2.9	4.0	.1														60	60	101												
28/ 27	.7	3.7	1.6	.5														54	54	64												
26/ 25	.2	2.9	1.2	.2														38	38	69												
24/ 23		1.7	1.0															22	22	39												
22/ 21	.6	1.4	2.1															34	35	32												
20/ 19	.2	4.0	1.3															46	46	33												
18/ 17		2.1	.4															20	20	40												
16/ 15		1.9																16	16	32												
14/ 13	.1	.5	.1															6	6	10												
12/ 11	.2	.2																4	4	4												
10/ 9	.1	.2																3	3	4												
8/ 7		.2																2	2	4												
6/ 5		.1																1	1	1												
4/ 3		.1																1	1	5												
2/ 1																				1												
0/ -1																				6												
-2/ -3																				3												
-4/ -5																				2												
-6/ -7																				1												
Element (X)	ΣX'		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb																																
Wet Bulb																																
Dew Point																																

PSYCHROMETRIC SUMMARY

DEC

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-8/-9																						
TOTAL	6.54	4.33	4.11	10.6	3.3	.8	.2	.1										828	837	820	820	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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NIAGARA FALLS NY
STATION NAME

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YEARS

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MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point											
60/ 59					.2		.1														3	3									
58/ 57				.1	.1	.2	.1														5	5									
56/ 55				.2		.2															4	4									
54/ 53		.1		.2		.2															5	5	2								
52/ 51		.1	.1		.1																3	3	3	2							
50/ 49		.5	.4																		7	7	5								
48/ 47	.5	.5				.1															9	9	14	8							
46/ 45		.2	.5	.1	.6	.4															15	15	8	10							
44/ 43		.2	.6	.8	.8																21	21	6	8							
42/ 41		1.6	1.1	1.3	.6																38	39	8	8							
40/ 39	.4	1.9	2.3	1.1	.2																49	49	27	7							
38/ 37	.2	1.7	3.1	.7	.5																52	52	54	19							
36/ 35	1.3	4.7	4.2	1.1	.1																95	95	60	36							
34/ 33	.8	5.5	4.7	1.2																	102	105	98	34							
32/ 31	1.0	5.1	5.1	1.2																	102	105	88	82							
30/ 29	.6	2.9	3.5	.5																	62	63	188	58							
28/ 27	.2	3.5	2.2	.1																	50	50	64	69							
26/ 25	.2	3.0	1.1	.4																	39	39	69	71							
24/ 23	.1	2.7	1.1																		32	32	45	53							
22/ 21	.1	1.9	2.1																		34	34	32	59							
20/ 19	.2	3.1	1.1																		37	37	36	79							
18/ 17		2.5	.5																		25	25	36	62							
16/ 15		1.4	.6																		17	17	28	37							
14/ 13		.7	.2																		8	8	16	31							
12/ 11	.4	.4	.1																		9	9	10	39							
10/ 9		.2																			2	2	5	29							
8/ 7		.2																			2	2	3	17							
6/ 5		.1																			1	1	3	16							
4/ 3																								8							
2/ 1		.1																			1	1	1	15							
0/ -1																								4							
-4/ -5																								3							
-6/ -7																								1							
Element (X)	Σ ₁		Σ ₂		Σ ₃		Σ ₄		No. Obs.		Mean No. of Hours with Temperature																				
Ref. Num.											± 0 F ± 32 F ± 67 F ± 73 F ± 80 F ± 93 F											Total									
Dry Bulb																															
Wet Bulb																															
Dew Point																															

FORM 0-26-5 (OL A) AIR WEATHER SERVICE BRANCH OF THE U.S. AIR FORCE

USAFETAC

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

CONTENTS

PAGE 2

1500-1700

100-443889 (L. H. T.)

[illegible]

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DE 0

PAGE 1 1800-2000
PARTS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
58/ 57				.2	.1	.4												6	6					
56/ 55				.2	.5													6	6					
52/ 51					.1	.2												3	3	3	3			
50/ 49		.4	.4	.1														7	7	3				
48/ 47		.6	.2		.2													9	9	9	3			
46/ 45	.4	.1	.4		.1													8	8	13	9			
44/ 43		.6	.1	.6														11	11	4	7			
42/ 41		.7	.8	.6	.4													21	21	10	4			
40/ 39	1.0	2.4	2.4	.5	.2													54	54	20	16			
38/ 37	.2	3.4	1.2	.4	.2													45	45	48	13			
36/ 35	1.2	4.2	4.0	.1														79	79	59	38			
34/ 33	.5	5.3	2.8	.4														74	77	66	43			
32/ 31	.8	6.8	3.7	.8														101	101	91	78			
30/ 29	.8	4.8	3.7	.8														85	86	86	64			
28/ 27	.5	5.2	1.7	.4														64	64	64	54			
26/ 25	.4	2.8	1.2															36	36	86	86			
24/ 23	.5	2.8	1.0	.2														34	34	42	43			
22/ 21	.4	3.1	1.0															37	37	43	44			
20/ 19	.4	4.2	1.8															53	53	29	74			
18/ 17		2.8	.7															29	29	48	48			
16/ 15	.1	2.1	.8															22	22	34	43			
14/ 13		1.4	.2															14	14	34	34			
12/ 11	.4	.8	.1															18	18	22	37			
10/ 9	.2	.4																7	7	8	24			
8/ 7	.1	.4																4	4	4	34			
6/ 5		.8																4	4	6	16			
4/ 3	.4	.4																8	8	4	8			
2/ 1		.2																1	1	1	17			
0/ -1																								
-2/ -3																								
-4/ -5																								
-6/ -7																								
TOTAL	6.455	428.5	5.5	1.4	.4													829	838	829	829			
Stemmer (2)	2	2																						
Dry Bulb	47.5	47.5																						
Wet Bulb	47.5	47.5																						
Dew Point	47.5	47.5																						
Wet Point	47.5	47.5																						

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PSYCHROMETRIC SUMMARY

73-01

DEC

2100-2300

PLASTERAC
NEMA
JAN. 69
0-36-5 (OL A)
STANDARD HANDBOOKS OF THIS FORM ARE AVAILABLE

PSYCHROMETRIC SUMMARY

73-81

DE 0

PAGE 2 2100-2200

Temp. (F)	WET BULB TEMPERATURE DEPRESSIONS (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.A./W.B.	Dry Bulb	Wet Bulb	Dew Point				
-6/-7																									
-8/-9																									
-10/-11																									
TOTAL	11.06	1.02	1.2	4.7	1.4	.4	.2												829		829				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725267 NIAGARA FALLS NY

73-81

DEC

STATION

STATION NAME

YEAR

MONTH

PAGE 1

ALL

FORM 1.1.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL P.D./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Wet Bulb	Wet Bulb	Wet Bulb
62/ 61							.0										1	1		
60/ 59							.0	.0									10	10		
58/ 57		.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	15	15	1	
56/ 55		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	26	26	6	1
54/ 53		.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	26	26	19	4
52/ 51	.0	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	31	31	23	10
50/ 49		.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	41	41	48	14
48/ 47	.2	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	70	70	50	20
46/ 45	.2	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	66	66	70	28
44/ 43	.0	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	132	132	87	34
42/ 41	.1	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	192	192	104	71
40/ 39	.4	1.4	1.3	.9	.2												203	204	173	65
38/ 37	.4	2.4	1.8	.9	.2												405	405	273	124
36/ 35	1.0	3.0	2.9	.8	.0												584	584	403	217
34/ 33	1.0	3.0	3.2	.6	.0												687	690	618	305
32/ 31	1.0	3.0	3.4	.7													760	763	726	327
30/ 29	1.0	3.1	3.6	.3													680	610	694	496
28/ 27	.9	3.0	2.1	.2													504	500	581	500
26/ 25	.1	3.0	1.3	.1													376	370	483	521
24/ 23	.2	2.2	1.0	.0													230	230	319	345
22/ 21	.2	2.4	1.1	.0													260	272	390	455
20/ 19	.7	4.1	.8	.0													390	390	505	600
18/ 17	.2	3.8	.3														372	372	573	742
16/ 15	.2	2.9	.3														221	221	365	531
14/ 13	.2	1.7	.2														142	142	260	405
12/ 11	.2	.7	.0														74	74	124	231
10/ 9	.1	.0	.0														40	40	87	271
8/ 7	.1	.4															32	32	60	210
6/ 5	.1	.3	.0														24	24	39	90
4/ 3	.1	.2															24	24	29	62
2/ 1	.1	.2															22	22	27	101
0/ -1	.1	.2															1	1	1	20
-2/ -3	.0	.0															0	0	0	20
-4/ -5	.1	.0															0	0	0	20
Grand Total																			Total	
Mean																			Mean	
Standard Deviation																			Standard Deviation	
Wet Bulb Range																			Wet Bulb Range	
Wet Bulb Frequency																			Wet Bulb Frequency	

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(L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Wet Ratio				
-6/-7	.0																							
-8/-9																								
-10/-11																								
-12/-13																								
-14/-15																								
-16/-17																								
-18/-19																								
TOTAL	9.9	55.3	26.2	6.2	1.7	.5	.2	.0										6646	6698	6646				

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ALL

PAGE 1

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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

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WMA

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ALL

STATION

STATION NAME

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CONCLUSIONS

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CLIMATOLOGY BRANCH
WAC
WEATHER SERVICE/WAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

785287

NIAGARA FALLS NY

73-81

STATION		STATION NAME												YEARS
NO. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	22.9	22.8	32.0	40.6	50.3	59.8	68.5	64.9	57.4	47.0	36.9	26.7	44.4
	S.D.	10.934	11.683	18.104	9.141	8.238	7.811	8.689	8.088	8.544	8.818	9.367	10.835	17.394
	TOTAL OBS	834	789	837	810	837	810	837	837	810	837	810	837	9287
03-05	MEAN	22.3	22.0	31.1	39.2	49.2	56.2	63.0	63.4	56.2	46.1	39.3	28.1	43.4
	S.D.	11.361	11.824	18.331	9.417	8.819	7.442	8.894	8.330	8.561	8.623	9.431	10.240	17.210
	TOTAL OBS	834	789	837	810	837	810	837	837	810	837	810	837	9288
06-08	MEAN	22.0	22.0	31.5	41.1	52.7	60.0	68.2	64.3	57.9	46.4	39.2	28.8	44.9
	S.D.	11.457	12.092	18.334	9.540	8.839	8.437	8.672	8.805	8.414	8.972	9.377	10.800	18.414
	TOTAL OBS	834	789	837	810	837	810	837	834	810	834	810	837	9282
09-11	MEAN	23.8	25.1	36.0	47.4	59.7	69.0	75.0	72.5	64.0	52.4	42.8	30.0	50.1
	S.D.	10.910	11.710	18.772	11.834	10.872	7.338	8.870	8.837	7.601	8.461	9.402	9.802	20.844
	TOTAL OBS	837	782	837	810	837		837	837	837	837	810	837	9284
12-14	MEAN	24.1	28.2	39.7	50.9	62.8	72.0	78.6	77.0	68.0	54.1	45.2	32.2	53.2
	S.D.	10.240	11.003	11.441	11.024	10.874	7.829	8.142	8.802	8.277	9.262	10.304	8.849	20.840
	TOTAL OBS	837	782	837	810	837	837	837	837	810	837	837	837	9284
15-17	MEAN	24.0	28.0	40.0	51.2	64.1	73.0	78.0	77.3	67.0	55.2	44.2	32.0	52.2
	S.D.	10.810	10.737	11.543	11.812	11.000	7.784	8.084	8.814	8.287	9.234	10.407	8.837	20.407
	TOTAL OBS	834	782	837	810	837	810	837	837	810	837	810	837	9287
18-20	MEAN	23.9	28.1	36.1	44.2	59.2	68.2	76.4	72.4	62.4	50.2	41.2	29.2	48.2
	S.D.	10.342	10.821	10.480	10.300	9.897	7.792	8.444	8.805	7.900	8.394	9.402	9.304	20.800
	TOTAL OBS	837	782	837	810	837	810	837	837	810	837	837	834	9287
21-23	MEAN	23.2	23.8	23.7	42.4	55.2	62.4	68.4	65.4	58.4	46.4	36.4	27.4	46.4
	S.D.	10.392	11.367	9.880	8.921	8.434	8.781	8.810	8.871	7.711	8.812	9.807	9.707	17.707
	TOTAL OBS	837	782	837	810	837	810	837	837	837	837	837	837	9282
ALL	MEAN	23.0	28.1	36.0	47.0	54.0	62.0	68.0	65.0	58.0	46.0	36.0	27.7	46.0
	S.D.	10.700	11.340	11.100	11.000	11.000	9.100	7.700	7.700	7.700	8.800	9.800	9.800	17.700
	TOTAL OBS	834	834	834	834	834	834	834	834	834	834	834	834	9284

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725287 NIAGARA FALLS NY

73-81

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00-02	MEAN	21.7	21.0	29.7	37.0	47.2	54.1	61.0	61.0	54.2	43.0	37.1	26.7	41.7	
	S.D.	10.053	11.200	9.505	8.560	7.920	6.970	6.880	6.000	5.305	5.200	5.902	9.495	16.597	
	TOTAL OBS	802	789	810	810	827	810	827	827	790	821	810	824	9777	
03-05	MEAN	21.2	20.6	29.1	36.4	46.4	55.2	60.9	60.7	53.2	43.2	36.7	26.2	41.0	
	S.D.	10.030	11.307	9.700	8.720	8.000	7.100	6.000	6.000	5.300	5.200	5.907	9.715	16.500	
	TOTAL OBS	801	789	810	810	827	810	827	827	792	821	809	824	9772	
06-08	MEAN	20.9	20.7	29.5	36.0	46.0	55.2	62.0	62.0	50.5	43.0	36.7	26.2	42.2	
	S.D.	10.971	11.003	9.799	8.000	8.315	6.000	5.000	6.000	5.277	5.177	5.902	9.005	17.300	
	TOTAL OBS	802	789	817	810	827	810	827	829	792	820	810	824	9772	
09-11	MEAN	22.4	23.5	32.0	41.9	52.9	61.0	60.4	50.0	47.7	39.4	27.0		45.0	
	S.D.	10.275	10.994	9.600	9.100	8.000	6.700	5.100	5.000	7.000	7.000	9.197	9.002	17.002	
	TOTAL OBS	811	780	819	810	827	810	827	820	790	822	807	829	9770	
12-14	MEAN	24.1	25.0	30.3	40.1	50.0	62.9	67.4	67.2	59.0	49.2	40.0	29.4	46.9	
	S.D.	9.937	10.319	9.102	9.001	8.000	6.000	5.000	5.000	7.000	7.000	9.170	8.003	17.300	
	TOTAL OBS	810	780	817	810	827	820	827	826	792	820	810	820	9700	
15-17	MEAN	23.0	25.0	35.4	40.1	50.0	62.9	67.2	67.2	59.0	48.7	39.9	29.0	46.7	
	S.D.	9.001	10.100	9.001	9.100	8.000	6.000	5.000	5.000	7.000	7.000	9.003	8.003	17.300	
	TOTAL OBS	812	780	810	810	827	810	827	827	790	827	810	829	9700	
18-20	MEAN	22.3	25.0	30.0	41.4	50.0	60.7	65.0	65.0	50.0	40.0	30.0	27.0	44.0	
	S.D.	9.001	10.001	9.000	9.000	8.000	6.000	5.000	5.000	7.000	7.000	9.003	8.003	17.100	
	TOTAL OBS	810	780	810	810	827	810	827	820	790	810	807	829	9700	
21-23	MEAN	21.0	20.0	31.2	39.0	49.0	57.0	62.0	62.0	50.0	40.0	37.0	27.0	42.0	
	S.D.	9.001	10.000	9.001	8.000	7.000	6.000	5.000	5.000	7.000	7.000	9.100	9.100	16.000	
	TOTAL OBS	800	780	810	810	827	810	827	827	790	820	800	820	9700	
ALL HOURS	MEAN	22.3	25.0	32.0	40.0	50.0	62.0	60.0	60.0	50.0	40.0	30.0	27.0	45.0	
	S.D.	10.000	10.000	9.000	9.000	8.000	7.000	6.000	6.000	7.000	7.000	9.100	9.100	17.000	
	TOTAL OBS	800	780	810	810	827	810	827	820	790	820	800	820	9700	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725287 NIAGARA FALLS NY

73-81

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00-02	MEAN	17.1	16.3	25.3	33.4	43.8	53.4	59.3	59.8	51.8	40.1	33.0	21.9	38.1	
	S.D.	11.684	12.846	10.978	9.768	9.143	7.761	6.391	6.865	9.484	9.392	10.046	11.814	17.992	
	TOTAL OBS	803	759	816	810	837	810	837	837	792	831	810	834	9772	
03-05	MEAN	16.6	16.0	24.8	32.7	43.6	52.9	58.9	58.9	50.7	39.0	32.7	21.6	37.6	
	S.D.	11.951	13.028	11.193	9.791	9.199	7.819	6.434	7.260	9.564	9.467	9.998	11.162	17.990	
	TOTAL OBS	801	759	816	810	837	810	837	837	792	831	809	834	9772	
06-08	MEAN	16.4	16.1	25.3	33.5	45.2	54.9	60.8	60.4	51.8	40.5	32.8	21.6	38.8	
	S.D.	12.080	13.199	11.369	9.958	9.424	7.744	6.870	6.863	9.180	9.227	10.039	11.074	18.574	
	TOTAL OBS	802	789	817	810	837	810	837	834	792	830	810	834	9772	
09-11	MEAN	17.6	18.2	27.5	35.2	46.8	56.2	61.3	61.8	53.8	42.6	34.7	23.0	40.1	
	S.D.	11.538	12.272	11.083	10.413	10.247	8.528	7.174	6.994	8.723	8.652	10.340	10.331	18.340	
	TOTAL OBS	811	788	819	810	837	810	837	834	790	833	807	829	9772	
12-14	MEAN	18.5	19.4	28.8	36.1	47.3	56.4	60.8	61.4	53.3	42.3	34.8	23.9	40.4	
	S.D.	11.366	11.982	11.120	10.609	10.896	9.138	7.853	7.679	9.317	9.278	10.336	9.790	18.832	
	TOTAL OBS	816	782	817	810	837	828	837	834	792	836	810	828	9760	
15-17	MEAN	18.0	19.4	28.8	35.8	47.1	56.8	60.4	61.1	53.1	42.0	34.2	23.4	40.1	
	S.D.	11.386	12.873	10.692	10.856	10.838	9.081	7.834	7.588	9.463	9.411	10.278	9.839	17.992	
	TOTAL OBS	812	782	816	810	837	810	837	837	792	837	810	829	9790	
18-20	MEAN	17.1	18.0	27.4	34.6	46.0	54.9	59.3	60.4	52.7	41.1	33.2	22.4	39.1	
	S.D.	11.504	12.881	10.688	10.328	9.999	8.472	7.321	7.328	9.079	9.179	10.382	10.463	18.812	
	TOTAL OBS	810	789	816	810	837	810	837	834	791	836	809	829	9780	
21-23	MEAN	16.8	17.3	26.6	32.9	44.8	54.8	59.4	60.4	51.9	40.8	32.9	22.2	38.4	
	S.D.	11.351	12.831	10.767	9.740	9.331	7.740	6.572	6.800	9.218	9.182	10.320	10.818	17.977	
	TOTAL OBS	809	759	816	810	837	810	837	837	792	832	809	829	9780	
ALL HOURS	MEAN	17.3	17.8	26.8	34.4	45.4	54.8	60.8	60.8	52.4	41.1	33.5	22.5	39.1	
	S.D.	11.617	12.687	11.078	10.198	9.944	8.288	7.830	7.223	9.308	9.294	10.278	10.600	18.163	
	TOTAL OBS	6468	6077	6523	6520	6825	6428	6434	6435	6135	6462	6473	6434	78280	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725287

NIAGARA FALLS NY

73-81

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.9	99.4	96.3	90.3	73.2	47.6	16.7	76.0	803
	03-05	100.0	100.0	99.9	99.8	97.6	92.0	74.2	48.3	19.1	78.5	801
	06-08	100.0	100.0	100.0	100.0	97.4	90.5	75.1	51.5	19.3	78.8	802
	09-11	100.0	100.0	100.0	100.0	98.3	89.1	69.5	43.5	14.9	77.0	811
	12-14	100.0	100.0	100.0	99.4	95.5	81.0	57.6	33.1	10.2	73.3	816
	15-17	100.0	100.0	100.0	99.3	94.3	79.8	54.3	31.8	10.5	72.4	812
	18-20	100.0	100.0	100.0	99.4	97.1	85.4	63.0	39.1	14.3	75.3	814
	21-23	100.0	100.0	100.0	99.5	97.4	87.9	67.0	39.3	15.6	76.5	809
TOTALS		100.0	100.0	100.0	99.6	96.7	87.0	66.7	41.8	15.1	76.2	6468

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725287

NIAGARA FALLS NY

73-81

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.9	99.6	98.8	91.2	73.5	42.7	13.8	77.5	759
	03-05	100.0	100.0	100.0	99.6	99.1	92.8	72.6	43.0	17.3	78.1	759
	06-08	100.0	100.0	100.0	99.5	98.3	91.7	74.0	44.5	16.7	78.3	759
	09-11	100.0	100.0	100.0	99.6	97.1	86.1	64.5	35.0	14.9	75.6	758
	12-14	100.0	100.0	100.0	99.0	94.0	74.5	49.3	24.8	8.3	70.6	762
	15-17	100.0	100.0	100.0	98.7	93.8	75.2	49.0	25.5	11.2	71.1	762
	18-20	100.0	100.0	100.0	99.5	95.9	84.5	64.7	33.1	13.3	74.7	759
	21-23	100.0	100.0	100.0	99.9	98.4	89.6	71.1	42.4	13.6	77.2	759
TOTALS		100.0	100.0	100.0	99.4	96.9	85.7	64.8	36.4	13.6	75.4	6077

2708
USAFETAC

FORM
NO. 64

0-87-5 (OL A)

RELATIVE HUMIDITY

MAR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.6	97.1	88.8	71.9	42.6	14.8	77.3	816
	03-05	100.0	100.0	100.0	99.9	96.8	89.6	75.1	48.9	17.4	78.4	816
	06-08	100.0	100.0	99.9	99.4	96.8	89.7	74.3	50.4	21.2	79.0	817
	09-11	100.0	100.0	100.0	98.3	91.8	76.9	55.8	36.3	14.9	73.1	819
	12-14	100.0	100.0	99.3	94.4	84.1	64.6	39.9	23.7	9.1	67.2	817
	15-17	100.0	100.0	98.7	93.0	80.4	59.4	37.7	23.2	10.3	66.1	816
	18-20	100.0	100.0	99.8	98.8	93.0	76.6	52.7	31.0	11.6	72.3	816
	21-23	100.0	100.0	100.0	99.6	96.8	87.4	67.9	40.6	14.3	76.3	816
TOTALS		100.0	100.0	99.7	97.9	92.1	79.1	59.4	37.1	14.2	73.7	6533

USAFETAC ~~SECRET~~ 6-67-5 (OL A)

RELATIVE HUMIDITY

APR

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	99.9	96.5	85.1	66.9	43.7	14.9	76.4	810
	03-05	100.0	100.0	100.0	99.6	97.8	89.9	71.2	48.8	16.8	78.2	810
	06-08	100.0	100.0	100.0	98.6	94.3	82.6	61.9	41.2	16.9	75.6	810
	09-11	100.0	100.0	99.4	92.3	76.3	54.2	37.3	23.1	10.5	65.0	810
	12-14	100.0	100.0	96.0	84.4	61.7	45.1	29.6	16.9	5.7	59.7	810
	15-17	100.0	99.9	93.1	79.6	59.6	44.2	30.6	16.7	6.9	58.8	810
	18-20	100.0	100.0	97.8	90.6	76.5	58.0	38.8	22.5	8.4	65.1	810
	21-23	100.0	100.0	100.0	98.6	93.5	77.4	56.4	33.5	10.1	72.7	810
TOTALS		100.0	100.0	98.3	93.0	82.0	67.1	49.1	30.8	11.3	68.9	6480

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725287

NIAGARA FALLS NY

73-81

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.5	97.5	89.8	71.0	46.2	23.7	78.8	837
	03-05	100.0	100.0	100.0	100.0	99.3	93.9	81.0	54.8	25.6	81.5	837
	06-08	100.0	100.0	100.0	99.8	97.0	84.3	64.9	41.0	19.5	76.8	837
	09-11	100.0	100.0	99.2	93.5	74.9	55.4	35.0	20.1	8.1	64.5	837
	12-14	100.0	99.8	95.0	79.2	60.7	41.6	27.0	15.1	5.3	58.0	837
	15-17	100.0	99.5	95.0	76.5	59.9	42.9	24.7	11.4	5.0	57.1	837
	18-20	100.0	100.0	98.0	89.6	75.4	57.8	37.4	18.0	7.0	64.2	837
	21-23	100.0	100.0	99.9	98.8	93.4	79.6	60.1	37.0	14.8	74.3	837
TOTALS		100.0	99.9	98.4	92.1	82.3	68.2	50.1	30.5	13.6	69.4	6696

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RELATIVE HUMIDITY

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.9	96.5	83.3	52.4	14.9	80.6	837
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	92.5	69.2	22.5	84.2	837
	06-08	100.0	100.0	100.0	100.0	99.3	93.5	74.9	45.9	12.3	78.4	837
	09-11	100.0	100.0	99.5	94.9	81.6	58.7	32.0	13.7	2.6	63.7	837
	12-14	100.0	100.0	98.4	84.8	60.5	34.3	17.2	6.8	1.6	56.2	837
	15-17	100.0	100.0	98.2	80.9	55.1	31.1	18.0	7.9	2.3	54.9	837
	18-20	100.0	100.0	99.3	98.9	72.4	46.3	27.8	12.5	2.9	61.1	837
	21-23	100.0	100.0	100.0	99.9	97.5	87.1	63.6	33.6	7.0	74.4	837
TOTALS		100.0	100.0	99.4	91.9	83.3	68.6	51.2	30.5	8.3	69.2	6696

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725287

NIAGARA FALLS NY

73-81

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.6	97.6	84.1	57.3	13.2	81.2	793
	03-05	100.0	100.0	100.0	100.0	99.7	97.7	87.5	63.5	18.4	82.6	792
	06-08	100.0	100.0	99.9	99.6	99.1	97.3	84.6	56.6	13.5	81.0	792
	09-11	100.0	100.0	99.9	98.9	91.8	71.0	43.7	21.3	5.2	69.0	790
	12-14	100.0	100.0	99.7	93.2	73.5	46.0	27.0	14.3	3.5	61.6	792
	15-17	100.0	100.0	100.0	92.8	72.4	47.2	26.9	13.0	3.2	61.2	793
	18-20	100.0	100.0	100.0	99.6	95.4	79.5	54.5	25.8	5.1	71.8	791
	21-23	100.0	100.0	100.0	100.0	99.4	93.9	77.0	45.5	10.7	78.6	792
TOTALS		100.0	100.0	99.9	98.0	91.4	78.8	60.7	37.2	9.1	73.4	6335

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725287

.NIAGARA FALLS NY

73-81

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.5	98.1	91.6	70.2	41.1	10.2	76.9	810
	03-05	100.0	100.0	100.0	99.9	99.1	93.7	73.3	41.3	11.6	77.6	809
	06-08	100.0	100.0	100.0	100.0	99.6	94.8	75.7	40.6	11.7	77.8	810
	09-11	100.0	100.0	100.0	99.6	96.7	83.8	55.9	30.7	8.7	73.2	807
	12-14	100.0	100.0	99.6	97.9	89.3	68.0	40.5	23.7	6.8	68.4	810
	15-17	100.0	100.0	100.0	98.4	90.6	71.1	41.9	23.7	7.0	68.9	810
	18-20	100.0	100.0	100.0	99.4	97.2	84.5	58.2	30.9	8.8	73.7	809
	21-23	100.0	100.0	100.0	99.5	98.5	89.0	62.8	36.5	9.0	75.3	809
TOTALS		100.0	100.0	100.0	99.3	96.1	84.6	59.8	33.4	9.2	74.0	6474

USAFETAC 725287 00-02 (01. 4)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725287

NIAGARA FALLS NY

73-81

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.6	97.2	89.4	67.5	40.9	15.7	76.5	34
	03-05	100.0	100.0	100.0	99.6	98.2	91.8	68.1	40.9	16.3	77.1	834
	06-08	100.0	100.0	99.8	99.3	98.4	92.1	69.5	43.0	16.4	77.5	834
	09-11	100.0	100.0	100.0	99.6	97.0	88.1	65.0	38.7	12.5	75.8	829
	12-14	100.0	100.0	100.0	98.8	93.1	79.8	55.4	30.7	10.4	72.5	828
	15-17	100.0	100.0	100.0	98.7	92.5	80.6	55.4	30.3	10.0	72.3	829
	18-20	100.0	100.0	100.0	99.5	94.7	85.5	63.2	35.6	12.1	74.7	829
	21-23	100.0	100.0	100.0	99.2	95.5	89.3	66.3	41.7	14.8	76.2	829
TOTALS		100.0	100.0	100.0	99.3	95.8	87.1	63.8	37.7	13.5	75.3	6646

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USAFETAC

FORM

9-67-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725287

NIAGARA FALLS NY

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.6	96.7	87.0	66.7	41.8	15.1	76.2	6468
FEB		100.0	100.0	100.0	99.4	96.9	85.7	64.8	36.4	13.6	75.4	6077
MAR		100.0	100.0	99.7	97.9	92.1	79.1	59.4	37.1	14.2	73.7	6533
APR		100.0	100.0	98.3	93.0	82.0	67.1	49.1	30.8	11.3	68.9	6480
MAY		100.0	99.9	98.4	92.1	82.3	68.2	50.1	30.5	13.6	69.4	6696
JUN		100.0	100.0	99.5	94.9	84.8	70.4	51.6	30.6	10.3	70.1	6478
JUL		100.0	100.0	99.4	93.9	83.3	68.6	51.2	30.5	8.3	69.2	6696
AUG		100.0	100.0	99.8	97.9	89.8	76.0	60.2	39.0	9.9	73.0	6688
SEP		100.0	100.0	99.9	98.0	91.4	78.8	60.7	37.2	9.1	73.4	6335
OCT		100.0	100.0	99.6	98.1	91.6	78.0	57.1	31.0	8.7	72.2	6669
NOV		100.0	100.0	100.0	99.3	96.1	84.6	59.8	33.6	9.2	74.0	6474
DEC		100.0	100.0	100.0	99.3	95.8	87.1	63.8	37.7	13.5	75.3	6646
TOTALS		100.0	100.0	99.6	97.0	90.2	77.6	57.9	34.7	11.4	72.6	78240

USAFETAC

FORM 10-66

9-57-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

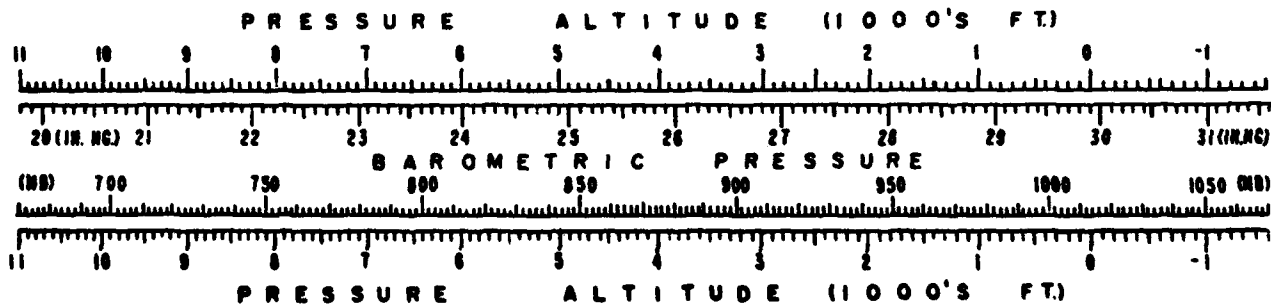
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

725287 NIAGARA FALLS NY

73-81

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	29.320	29.368	29.314	29.310	29.284	29.300	29.324	29.378	29.374	29.372	29.349	29.340	29.338	
	S. D.	.278	.277	.253	.243	.161	.171	.137	.125	.157	.217	.247	.265	.219	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287	
04	MEAN	29.320	29.359	29.303	29.308	29.279	29.295	29.319	29.372	29.368	29.369	29.348	29.342	29.332	
	S. D.	.287	.276	.257	.248	.167	.178	.141	.127	.162	.223	.250	.265	.223	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	278	3286	
07	MEAN	29.331	29.368	29.320	29.331	29.384	29.321	29.343	29.398	29.388	29.387	29.389	29.349	29.350	
	S. D.	.296	.282	.267	.254	.174	.182	.141	.130	.168	.228	.252	.267	.228	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287	
10	MEAN	29.350	29.388	29.332	29.341	29.312	29.338	29.347	29.406	29.398	29.402	29.375	29.368	29.362	
	S. D.	.299	.291	.279	.293	.176	.184	.142	.129	.174	.231	.254	.264	.232	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287	
13	MEAN	29.316	29.365	29.310	29.324	29.293	29.314	29.334	29.391	29.379	29.375	29.347	29.333	29.340	
	S. D.	.297	.291	.279	.245	.169	.176	.138	.125	.168	.228	.244	.267	.228	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287	
16	MEAN	29.314	29.352	29.288	29.303	29.274	29.297	29.315	29.368	29.357	29.361	29.341	29.328	29.325	
	S. D.	.287	.286	.269	.238	.182	.171	.137	.122	.188	.228	.239	.263	.221	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287	
19	MEAN	29.336	29.372	29.306	29.318	29.274	29.293	29.311	29.364	29.363	29.378	29.357	29.345	29.334	
	S. D.	.283	.279	.254	.229	.157	.167	.132	.120	.155	.215	.237	.263	.217	
	TOTAL OBS	279	254	279	278	279	278	279	278	270	279	270	278	3285	
22	MEAN	29.338	29.378	29.319	29.317	29.288	29.294	29.323	29.378	29.376	29.384	29.358	29.344	29.342	
	S. D.	.282	.273	.251	.238	.157	.164	.124	.128	.155	.218	.241	.265	.217	
	TOTAL OBS	279	254	279	270	279	278	279	279	270	279	270	278	3286	
ALL HOURS	MEAN	29.329	29.368	29.312	29.318	29.284	29.307	29.327	29.381	29.376	29.378	29.354	29.344	29.340	
	S. D.	.289	.282	.264	.245	.164	.175	.137	.125	.162	.223	.244	.265	.223	
	TOTAL OBS	2232	2032	2232	2160	2232	2160	2232	2231	2160	2232	2160	2229	26292	

USAF ETAC 0000 0-89-5 (OL 1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

725287

NIAGARA FALLS NY

73-81

STATION

STATION NAME

YEARS

HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1016.0	1017.5	1015.5	1015.1	1013.8	1014.3	1015.0	1016.7	1016.9	1017.0	1016.5	1016.4	1015.9
	S. D.	9.779	9.747	8.869	8.453	5.610	5.929	4.793	4.367	5.478	7.616	8.660	9.315	7.688
	TOTAL OBS	279	253	279	270	279	270	279	279	270	279	270	279	3280
04	MEAN	1016.1	1017.3	1015.1	1014.9	1013.7	1014.1	1014.8	1016.6	1016.7	1016.9	1016.4	1016.6	1015.7
	S. D.	10.065	9.748	8.862	8.714	5.819	6.186	4.980	4.436	5.709	7.797	8.788	9.342	7.826
	TOTAL OBS	279	253	279	270	279	270	279	279	270	279	269	279	3285
07	MEAN	1016.3	1017.7	1015.7	1015.8	1014.4	1015.0	1015.5	1017.4	1017.4	1017.7	1016.8	1016.8	1016.4
	S. D.	10.348	9.986	9.383	8.836	6.068	6.343	4.930	4.556	5.894	8.084	8.871	9.413	8.082
	TOTAL OBS	279	253	279	270	279	270	279	279	270	279	270	279	3286
10	MEAN	1017.0	1018.2	1016.1	1016.1	1014.8	1015.2	1015.7	1017.8	1017.7	1018.0	1017.4	1017.4	1016.8
	S. D.	10.426	10.265	9.775	8.808	6.117	6.316	4.937	4.499	6.068	8.123	8.896	9.443	8.117
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3297
13	MEAN	1015.8	1017.5	1015.3	1015.5	1014.2	1014.7	1015.2	1017.3	1017.0	1017.2	1016.4	1016.3	1016.0
	S. D.	10.412	10.265	9.738	8.547	5.887	6.089	4.820	4.367	5.889	7.973	8.657	9.392	7.981
	TOTAL OBS	279	254	279	270	279	269	279	279	270	279	270	279	3286
16	MEAN	1015.8	1017.1	1014.5	1014.8	1013.5	1014.1	1014.6	1016.4	1016.3	1016.6	1016.2	1016.1	1015.8
	S. D.	10.101	10.081	9.389	8.188	5.632	5.929	4.798	4.259	5.561	7.705	8.309	9.241	7.749
	TOTAL OBS	278	284	279	270	279	270	279	279	270	279	278	279	3286
19	MEAN	1016.5	1017.8	1015.3	1015.0	1013.6	1014.0	1014.5	1016.4	1016.5	1017.4	1016.7	1016.7	1015.9
	S. D.	9.977	9.857	8.986	8.821	5.441	5.773	4.584	4.194	5.444	7.584	8.319	9.217	7.639
	TOTAL OBS	279	254	279	270	279	270	279	278	270	279	270	277	3286
22	MEAN	1016.6	1017.9	1015.6	1015.4	1014.0	1014.4	1015.0	1016.9	1017.0	1017.5	1016.7	1016.6	1016.1
	S. D.	9.928	9.678	8.761	8.180	5.437	5.615	4.489	4.164	5.444	7.644	8.434	9.291	7.688
	TOTAL OBS	279	252	279	270	279	270	279	279	270	279	270	278	3286
ALL HOURS	MEAN	1016.3	1017.4	1015.4	1015.3	1014.0	1014.8	1015.0	1016.9	1016.9	1017.3	1016.6	1016.6	1016.4
	S. D.	10.124	9.945	9.223	8.470	5.765	6.057	4.794	4.375	5.496	7.887	8.612	9.326	7.854
	TOTAL OBS	2231	2027	2232	2160	2232	2159	2232	2231	2160	2232	2159	2229	26280

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